

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 01/20/2014
Time Report Requested: 08:57:33
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

F1_Rev.1_M3

NTP Study Number: C20316
Lock Date: 03/06/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.0_001
PWG Approval Date: NONE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- * Testes

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Bone Marrow
- * Brain
- * Coagulating Gland
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skin
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Liver Inflammation Chronic Active, Minimal
- * Testes

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
|---------|--------------|-------------------------|

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
|---------|--------------|-------------------------|

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Liver	Inflammation	Chronic Active, Minimal
* Thyroid Gland	Ectopic Thymus	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
|---------|--------------|-------------------------|

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Lung | Metaplasia | Osseous, Minimal |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Bone Marrow
- * Brain
- * Coagulating Gland
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Islets, Pancreatic
- * Kidney
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skin
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Liver Inflammation Chronic Active, Minimal

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|-------------------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Salivary Glands | Inflammation | Chronic Active, Mild |
| * Testes | | |

Note: Rete testes with adjacent tubuli recti - bilateral - normal, not coded.

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Liver
- * Nose
- * Preputial Gland
- * Skin
- * Testes
- * Urinary Bladder
- * Blood Vessel
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lung
- * Pancreas
- * Prostate
- * Spleen
- * Thymus
- * Bone
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Thyroid Gland
- * Bone Marrow
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Stomach, Glandular
- * Trachea

MISSING

- * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex Accessory Adrenal Cortical Nodule
- * Testes Mild

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Coagulating Gland | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|--|-----------------------------------|-------------------------|
| * Adrenal Cortex | Accessory Adrenal Cortical Nodule | Mild |
| Note: Only one adrenal gland available for histologic examination. | | |
| * Liver | Inflammation | Chronic Active, Minimal |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|----------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Testes | | |

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Bone Marrow
- * Brain
- * Coagulating Gland
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Liver
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skin
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Kidney Nephropathy Minimal

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|----------|--------------|-------------------------|
| * Kidney | Nephropathy | Minimal |
| * Liver | Inflammation | Chronic Active, Minimal |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
|---------|--------------|-------------------------|

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 17

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|---------------------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Parathyroid Gland | Cyst | Moderate |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 18

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Coagulating Gland | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|--|-----------------------------------|------|
| * Adrenal Cortex | Accessory Adrenal Cortical Nodule | Mild |
| * Lung | Thrombosis | Mild |
| * Spleen | | |
| Note: TGL#1-4: NCL - Spleen within normal limits histologically. | | |
| * Testes | | |
| Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded. | | |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 19

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|----------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| | Necrosis | Focal, Minimal |
| * Testes | | |

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 20

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0503940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Coagulating Gland | * Epididymis |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|----------|---------------------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Thymus | Ectopic Parathyroid Gland | Minimal |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Moderate

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Inflammation

Chronic Active, Mild

Skin

SOA Dermis

Fibrosis

Mild

SOA Epidermis

Hyperkeratosis

Mild

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 24

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Skin

SOA Epidermis

Hyperkeratosis

Mild

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Spleen

Kidney

Thymus

Liver

Lymph Node, Mandibular

OBSERVATIONS

Skin

SOA Epidermis

SOA Epidermis

Hair Follicle, SOA

SOA, Sebaceous GI

SOA

Hyperkeratosis

Hyperplasia

Hyperplasia

Hyperplasia

Inflammation

Minimal

Mild

Moderate

Minimal

Chronic Active, Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

Lymph Node, Mandibular

Spleen

Thymus

OBSERVATIONS

Skin

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Spleen

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Inflammation

Chronic Active, Minimal

Skin

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Skin

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney
Thymus

Liver

Lymph Node, Mandibular

Spleen

OBSERVATIONS

Bone Marrow
Skin

Myeloid Cell
SOA Epidermis
SOA Epidermis
Hair Follicle, SOA
SOA, Sebaceous GI
SOA

Hyperplasia
Hyperkeratosis
Hyperplasia
Hyperplasia
Hyperplasia
Inflammation

Minimal
Minimal
Moderate
Mild
Mild
Chronic Active, Mild

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0503950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Inflammation

Chronic Active, Minimal

Skin

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 31

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Kidney

Nephropathy

Minimal

Liver

Hepatocyte

Depletion Glycogen

Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 3-10+12I]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 32

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Liver

Hepatocyte

Depletion Glycogen

Mild

Skin

SOA Dermis

Inflammation

Chronic Active, Minimal

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 2,3-11+12I]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 33

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Mild

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 34

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Hepatocyte

Depletion Glycogen

Minimal

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Marked

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Mild

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 35

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Moderate

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 36

TRT#: 7

SEX: Male

DAY ON TEST: 80

DOSE: 12.5 %

DISP: Moribund Sacrifice

HISTO: 0503956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Brain	Coagulating Gland	Epididymis	Esophagus
Eye	Gallbladder	Harderian Gland	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node, Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Liver	Hepatocyte	Depletion Glycogen	Moderate
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Marked
	[Hyperkeratosis TGLs = 1,2,3-10+11+12]		
	[Hyperplasia TGLs = 1,2,3-10+11+12]		
	[Inflammation TGLs = 1,2,3-10+11+12]		
	[Ulcer TGLs = 1,2,3-10+11+12]		
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 37

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Hepatocyte

Depletion Glycogen

Minimal

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 38

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Mild

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 39

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Liver

Hepatocyte

Depletion Glycogen

Moderate

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 40

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0503960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Marked

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Liver	Hepatocyte	Depletion Glycogen	Moderate
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Marked
	[Hyperkeratosis TGLs = 1,2,3-10+11+12]		
	[Hyperplasia TGLs = 1,2,3-10+11+12]		
	[Inflammation TGLs = 1,2,3-10+11+12]		
	[Ulcer TGLs = 1,2,3-10+11+12]		
Spleen		Hematopoietic Cell Proliferation	Moderate
Thymus		Atrophy	Minimal

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
Liver	Hepatocyte	Depletion Glycogen	Mild
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Marked
	[Hyperkeratosis TGLs = 1,2-10+11+12]		
	[Hyperplasia TGLs = 1,2-10+11+12]		
	[Inflammation TGLs = 1,2-10+11+12]		
	[Ulcer TGLs = 2,3-11+12]		
Spleen		Hematopoietic Cell Proliferation	Moderate
Thymus		Atrophy	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Liver		Inflammation	Chronic Active, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Marked
	[Hyperkeratosis TGLs = 1,2-10+11]		
	[Hyperplasia TGLs = 1,2-10+11]		
	[Inflammation TGLs = 1.2-10+11]		
Spleen		Hematopoietic Cell Proliferation	Mild
Thymus		Atrophy	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Mild

Skin

SOA Dermis

Inflammation

Chronic Active, Minimal

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Mild

Thymus

Atrophy

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Liver

Hepatocyte

Depletion Glycogen

Mild

Lymph Node, Mandibular

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Hyperplasia

Lymphoid, Mild

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Mild

Thymus

Atrophy

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

MISSING

Lymph Node, Mandibular

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Depletion Glycogen	Minimal
		Inflammation	Chronic Active, Minimal
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Mild
	[Hyperkeratosis TGLs = 1,2-10+11]		
	[Hyperplasia TGLs = 1,2-10+11]		
	[Inflammation TGLs = 1,2-10+11]		
Spleen		Hematopoietic Cell Proliferation	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 47

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Liver	Hepatocyte	Depletion Glycogen	Moderate
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Marked
	[Hyperkeratosis TGLs = 1,2-10+11]		
	[Hyperplasia TGLs = 1,2-10+11]		
	[Inflammation TGLs = 1,2-10+11]		
Spleen		Hematopoietic Cell Proliferation	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 48

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Mild

Skin

SOA Dermis

Inflammation

Chronic Active, Minimal

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,3-10+12]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 49

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Hepatocyte

Depletion Glycogen

Moderate

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 50

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0503970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Hepatocyte

Depletion Glycogen

Mild

Skin

SOA Dermis

Inflammation

Chronic Active, Minimal

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3,-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes
- * Adrenal Medulla
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Moderate
- * Liver Hepatocyte Depletion Glycogen Moderate
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Moderate
- [Hyperplasia TGLs = 4-6]
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous Gl Hyperplasia Moderate
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]
- * Spleen Hematopoietic Cell Proliferation Moderate
- * Thymus Atrophy Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Coagulating Gland
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Moderate
- * Kidney Nephropathy Mild
- * Liver Hepatocyte Depletion Glycogen Moderate
- Mesentery Fat Fibrosis Mild
- Fat Necrosis Marked
- [Necrosis TGLs = 4-13]
- * Skin Hair Follicle, SOA Dilatation Mild
- SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous Gl Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503972

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Minimal

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503973

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

* Thyroid Gland

Follicle

Degeneration

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex
- * Bone Marrow
- * Liver
- * Lymph Node, Mandibular
- * Skin
- Myeloid Cell
- Hepatocyte
- SOA Dermis
- SOA Epidermis
- SOA Epidermis
- Hair Follicle, SOA
- SOA, Sebaceous GI
- SOA
- SOA Epidermis
- Accessory Adrenal Cortical Nodule
- Hyperplasia
- Depletion Glycogen
- Hyperplasia
- Fibrosis
- Hyperkeratosis
- Hyperplasia
- Hyperplasia
- Hyperplasia
- Inflammation
- Ulcer
- Mild
- Mild
- Moderate
- Lymphoid, Moderate
- Moderate
- Moderate
- Moderate
- Moderate
- Mild
- Chronic Active, Moderate
- Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]
- * Spleen
- * Testes
- Hematopoietic Cell Proliferation
- Moderate

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503974

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Coagulating Gland
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lung
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Mild
- * Liver Hepatocyte Depletion Glycogen Moderate
- Hematopoietic Cell Proliferation Minimal
- Necrosis Focal, Minimal
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Marked
- [Hyperplasia TGLs = 4-6]
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Mild
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous GI Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]
- * Spleen Hematopoietic Cell Proliferation Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503975

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Note: Rete testes with adjacent tubuli recti -unilateral - normal, not coded.

* Thymus

Atrophy

Mild

Ectopic Parathyroid Gland

Minimal

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 77

DOSE: 50 %

DISP: Moribund Sacrifice

HISTO: 0503976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Adrenal Medulla
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Moderate
- * Kidney Nephropathy Minimal
- * Liver Depletion Glycogen Moderate
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Moderate
- * Skin Fibrosis Moderate
- SOA Dermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous GI Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked

[Hyperkeratosis TGLs = 1-10]
 [Hyperplasia TGLs = 1-10]
 [Inflammation TGLs = 1-10]
 [Ulcer TGLs = 1-10]

- * Spleen Hematopoietic Cell Proliferation Moderate
- * Testes

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 77

DOSE: 50 %

DISP: Moribund Sacrifice

HISTO: 0503976

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Dermis Fibrosis

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Coagulating Gland
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lung
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Thyroid Gland
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Moderate
- * Kidney Nephropathy Minimal
- * Liver Hepatocyte Depletion Glycogen Moderate
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Marked
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous GI Hyperplasia Moderate
- SOA Inflammation Chronic Active, Moderate
- [Hyperkeratosis TGLs = 1,2-10+11]
- [Hyperplasia TGLs = 1,2-10+11]
- [Inflammation TGLs = 1,2-10+11]
- * Spleen Hematopoietic Cell Proliferation Moderate
- * Testes
- Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.
- * Thymus Atrophy Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex
- * Bone Marrow
- * Liver
- * Lymph Node, Mandibular
- * Skin
- Myeloid Cell
- Hepatocyte
- SOA Dermis
- SOA Epidermis
- SOA Epidermis
- Hair Follicle, SOA
- SOA, Sebaceous GI
- SOA
- SOA Epidermis
- Accessory Adrenal Cortical Nodule
- Hyperplasia
- Depletion Glycogen
- Hyperplasia
- Fibrosis
- Hyperkeratosis
- Hyperplasia
- Hyperplasia
- Hyperplasia
- Inflammation
- Ulcer
- Mild
- Moderate
- Moderate
- Lymphoid, Moderate
- Moderate
- Moderate
- Moderate
- Moderate
- Moderate
- Chronic Active, Moderate
- Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]
- * Spleen
- * Thymus
- Hematopoietic Cell Proliferation
- Atrophy
- Moderate
- Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0503980

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 61

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes
- * Adrenal Medulla
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Marked
- * Liver Hepatocyte Depletion Glycogen Moderate
- Lymph Node Axillary Hyperplasia Lymphoid, Marked
- [Hyperplasia TGLs = 4-13]
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Marked
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous GI Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Moderate
- [Hyperkeratosis TGLs = 1,2,3-10+10A+11+12]
- [Hyperplasia TGLs = 1,2,3-10+10A+11+12]
- [Inflammation TGLs = 1,2,3-10+10A+11+12]
- [Ulcer TGLs = 1,2,3-10+10A+11+12]
- * Spleen Hematopoietic Cell Proliferation Moderate
- * Testes

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 61

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503981

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Rete testes with adjacent tubuli recti - bilateral - normal, not coded.

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 62

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Adrenal Medulla
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Marked
- * Kidney Nephropathy Minimal
- * Liver Depletion Glycogen Moderate
- Lymph Node Axillary Hyperplasia Lymphoid, Marked
- [Hyperplasia TGLs = 5-13]
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Marked
- [Hyperplasia TGLs = 4-6]
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous Gl Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2-10+10A+11]
- [Hyperplasia TGLs = 1,2,3-10+10A+11+12]
- [Inflammation TGLs = 1,2,3-10+10A+11+12]
- [Ulcer TGLs = 1,2,3-10+10A+11+12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 62

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503982

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 63

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Coagulating Gland
- * Epididymis
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Preputial Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testes
- * Trachea
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Marked
- * Kidney Inflammation Chronic Active, Minimal
- * Liver Nephropathy Minimal
- * Liver Depletion Glycogen Moderate
- * Liver Inflammation Chronic Active, Minimal
- * Liver Lymph Node Hyperplasia TGLs = 4-13 Lymphoid, Marked
- * Skin SOA Dermis Fibrosis Moderate
- * Skin SOA Epidermis Hyperkeratosis Mild
- * Skin SOA Epidermis Hyperplasia Moderate
- * Skin Hair Follicle, SOA Hyperplasia Moderate
- * Skin SOA, Sebaceous Gl Hyperplasia Mild
- * Skin SOA Inflammation Chronic Active, Moderate
- * Skin SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 63

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503983

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes			
Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.			
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicle	Degeneration	Mild

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 64

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Salivary Glands
- * Testes
- * Adrenal Medulla
- * Coagulating Gland
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Thyroid Gland
- * Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Pancreas
- * Prostate
- * Stomach, Glandular
- * Urinary Bladder

MISSING

- * Mammary Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Marked
- * Liver Hepatocyte Depletion Glycogen Moderate
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Moderate
- * Skin Hair Follicle, SOA Dilatation Mild
- SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Mild
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous Gl Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12+12A]
- [Hyperplasia TGLs = 1,2,3-10+11+12+12A]
- [Inflammation TGLs = 1,2,3-10+11+12+12A]
- [Ulcer TGLs = 1,2,3-10+11+12+12A]
- * Spleen Hematopoietic Cell Proliferation Moderate
- [Hematopoietic Cell Proliferation TGLs = 4-4]
- * Thymus Atrophy Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 64

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503984

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 65

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503985

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 66

TRT#: 13

SEX: Male

DAY ON TEST: 64

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Coagulating Gland | * Epididymis | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|--------------------|-------------------------------|--------------------------|
| * Bone Marrow | Myeloid Cell | Hyperplasia | Marked |
| * Liver | Hepatocyte | Depletion Glycogen
Infarct | Moderate |
| Note: TGL#6-13: Consistent with strangulated liver lobe histologically.
[Infarct TGLs = 6-13] | | | |
| Lymph Node | Axillary | Hyperplasia | Lymphoid, Marked |
| [Hyperplasia TGLs = 3-12] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| [Hyperplasia TGLs = 4-6] | | | |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperkeratosis | Moderate |
| | SOA Epidermis | Hyperplasia | Moderate |
| | Hair Follicle, SOA | Hyperplasia | Moderate |
| | SOA, Sebaceous GI | Hyperplasia | Mild |
| | SOA | Inflammation | Chronic Active, Moderate |
| | SOA Epidermis | Ulcer | Marked |
| [Inflammation TGLs = 1,2-10+11] | | | |
| [Ulcer TGLs = 1,2-10+11] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 66

TRT#: 13

SEX: Male

DAY ON TEST: 64

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503986

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLs = 5-4]

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 67

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503987

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded.

* Thymus

Atrophy

Minimal

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 68

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503988

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Testes

Note: Rete testes with adjacent tubuli recti -unilateral - normal, not coded.

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 69

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503989

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 70

TRT#: 13

SEX: Male

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0503990

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Note: Rete testes with adjacent tubuli recti - unilateral - normal, not coded

* Thymus

Atrophy

Moderate

* Thyroid Gland

Follicle

Degeneration

Minimal

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 75

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|----------|----------------------------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| | Inflammation | Chronic Active, Mild |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 76

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|------------------|-----------------------------------|-------------------------|
| * Adrenal Cortex | Accessory Adrenal Cortical Nodule | Mild |
| * Liver | Inflammation | Chronic Active, Minimal |
| * Spleen | Hematopoietic Cell Proliferation | Mild |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 77

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|----------|----------------------------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Spleen | Hematopoietic Cell Proliferation | Mild |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 79

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0503999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
|---------|--------------|-------------------------|

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 80

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: UNTREATED

DISP: Terminal Sacrifice

HISTO: 0504000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|----------|-------------------|----------------------------------|-------------------------|
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Skin | SOA, Sebaceous GI | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 83

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------|-------------|--------------|-------------------------|
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 84

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
|---------|--------------|-------------------------|

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 85

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | |
|---------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
|---------|--------------|-------------------------|

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 86

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------|-------------|--------------|-------------------------|
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 87

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | |
|-----------------|----------------------------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | Ectopic Thymus | Mild |
| * Uterus | Decidual Reaction | Marked |

[Decidual Reaction TGLs = 1-10]

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 88

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|----------|----------------------------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Spleen | Hematopoietic Cell Proliferation | Mild |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 89

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|--------------------------|--------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Lymph Node, Mandibular | Hyperplasia | Lymphoid, Moderate |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 90

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 0 %

DISP: Terminal Sacrifice

HISTO: 0504010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | |
|----------------------|----------------|-------------------------|
| * Liver | Inflammation | Chronic Active, Minimal |
| * Stomach, Glandular | Mineralization | Minimal |

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 91

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Marked

Skin

SOA Dermis

Fibrosis

Minimal

SOA Epidermis

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous Gl

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Mild

[Hyperkeratosis TGLs = 1-10]

[Inflammation TGLs = 1-10]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 92

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Liver

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Skin

SOA Epidermis

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 93

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Liver		Inflammation	Chronic Active, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Skin	SOA Epidermis	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 94

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Moderate

Skin

SOA Dermis

Fibrosis

Minimal

SOA Epidermis

Hyperkeratosis

Mild

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 95

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
Liver		Inflammation	Chronic Active, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin	SOA Epidermis	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 96

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Skin

SOA Epidermis

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 97

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Mild

Skin

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 98

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Skin

SOA Epidermis

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Minimal

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 99

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Liver

Lymph Node, Mandibular

Spleen

Thymus

OBSERVATIONS

Skin

SOA Epidermis

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 100

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 6.25 %

DISP: Terminal Sacrifice

HISTO: 0504020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Mild

Skin

SOA Epidermis

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 101

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Liver

Hepatocyte

Depletion Glycogen

Mild

Lymph Node, Mandibular

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Hyperplasia

Lymphoid, Moderate

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11]

[Hyperplasia TGLs = 1,2,3-10+11]

[Inflammation TGLs = 1,2,3-10+11]

[Ulcer TGLs = 1,2,3-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 102

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Hepatocyte

Depletion Glycogen

Mild

Lymph Node, Mandibular

Inflammation

Chronic Active, Mild

Skin

SOA Dermis

Hyperplasia

Lymphoid, Mild

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Mild

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 103

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Liver		Inflammation	Chronic Active, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	[Hyperkeratosis TGLs = 1,2-10+11]		
	[Hyperplasia TGLs = 1,2-10+11]		
	[Inflammation TGLs = 1,2-10+11]		
Spleen		Hematopoietic Cell Proliferation	Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 104

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Hepatocyte

Depletion Glycogen

Minimal

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 105

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Thymus

OBSERVATIONS

Liver

Inflammation

Chronic Active, Minimal

Lymph Node, Mandibular

Hyperplasia

Lymphoid, Moderate

Skin

SOA Dermis

Fibrosis

Mild

SOA Epidermis

Hyperkeratosis

Mild

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 106

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
Liver		Inflammation	Chronic Active, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Marked
	[Hyperkeratosis TGLs = 1,2-10+11]		
	[Hyperplasia TGLs = 1,2-10+11]		
	[Inflammation TGLs = 1,2-10+11]		
Spleen		Hematopoietic Cell Proliferation	Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 107

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Hepatocyte

Depletion Glycogen

Minimal

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 108

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Liver		Inflammation	Chronic Active, Minimal
Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
Skin	SOA Dermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Mild
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Moderate
	[Hyperkeratosis TGLs = 1,2-10+11]		
	[Hyperplasia TGLs = 1,2-10+11]		
	[Inflammation TGLs = 1,2-10+11]		
Spleen		Hematopoietic Cell Proliferation	Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 109

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Minimal

Liver

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 110

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 12.5 %

DISP: Terminal Sacrifice

HISTO: 0504030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Mild

Liver

Hepatocyte

Depletion Glycogen

Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 111

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Mild

Lymph Node, Mandibular

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Hyperplasia

Lymphoid, Moderate

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 112

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Inflammation

Chronic Active, Minimal

Lymph Node

Hyperplasia

Lymphoid, Marked

Note: Lymph node is probably the prescapular.

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 113

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Mild

Lymph Node, Mandibular

Inflammation

Chronic Active, Minimal

Skin

Hyperplasia

Lymphoid, Marked

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 114

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Minimal

Skin

SOA Dermis

Inflammation

Chronic Active, Minimal

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 115

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Liver	Hepatocyte	Depletion Glycogen	Mild
Lymph Node, Mandibular		Inflammation	Chronic Active, Minimal
Skin	SOA Dermis	Hyperplasia	Lymphoid, Marked
	SOA Epidermis	Fibrosis	Moderate
	SOA Epidermis	Hyperkeratosis	Moderate
	SOA Epidermis	Hyperplasia	Moderate
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA Epidermis	Ulcer	Marked
	[Hyperkeratosis TGLs = 1,2-10+11]		
	[Hyperplasia TGLs = 1,2-10+11]		
	[Inflammation TGLs = 1,2-10+11]		
Spleen		Hematopoietic Cell Proliferation	Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 116

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Moderate

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1-10]

[Hyperplasia TGLs = 1-10]

[Inflammation TGLs = 1-10]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 117

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Mild

Skin

SOA Dermis

Inflammation

Chronic Active, Minimal

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11]

[Hyperplasia TGLs = 1,2,3-10+11]

[Inflammation TGLs = 1,2,3-10+11]

[Ulcer TGLs = 1,2,3-10+11]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 118

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node, Mandibular

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Moderate

Skin

SOA Dermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous Gl

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2,3-10+11+12]

[Hyperplasia TGLs = 1,2,3-10+11+12]

[Inflammation TGLs = 1,2,3-10+11+12]

[Ulcer TGLs = 1,2,3-10+11+12]

Spleen

Hematopoietic Cell Proliferation

Moderate

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 119

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Mild

Lymph Node, Mandibular

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Hyperplasia

Lymphoid, Moderate

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Hyperplasia

Mild

Inflammation

Chronic Active, Moderate

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 120

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 25 %

DISP: Terminal Sacrifice

HISTO: 0504040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Thymus

OBSERVATIONS

Bone Marrow

Myeloid Cell

Hyperplasia

Moderate

Liver

Hepatocyte

Depletion Glycogen

Mild

Lymph Node, Mandibular

Inflammation

Chronic Active, Minimal

Skin

SOA Dermis

Hyperplasia

Lymphoid, Marked

SOA Epidermis

Fibrosis

Moderate

SOA Epidermis

Hyperkeratosis

Moderate

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Moderate

SOA Epidermis

Ulcer

Marked

[Hyperkeratosis TGLs = 1,2-10+11]

[Hyperplasia TGLs = 1,2-10+11]

[Inflammation TGLs = 1,2-10+11]

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 121

TRT#: 12

SEX: Female

DAY ON TEST: 71

DOSE: 50 %

DISP: Moribund Sacrifice

HISTO: 0504041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Clitoral Gland
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Moderate
- * Liver Hepatocyte Depletion Glycogen Moderate
- Lymph Node Axillary Inflammation Chronic Active, Minimal
- [Hyperplasia TGLs = 5-13] Hyperplasia Lymphoid, Marked
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous Gl Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]
- * Spleen Hematopoietic Cell Proliferation Moderate
- [Hematopoietic Cell Proliferation TGLs = 4-4]

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 123

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0504043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|---------------|-------------------------------------|----------------------------------|--------------------------|
| * Bone Marrow | Myeloid Cell | Hyperplasia | Moderate |
| * Liver | Hepatocyte | Depletion Glycogen | Moderate |
| | | Inflammation | Chronic Active, Minimal |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperkeratosis | Moderate |
| | SOA Epidermis | Hyperplasia | Moderate |
| | Hair Follicle, SOA | Hyperplasia | Moderate |
| | SOA, Sebaceous GI | Hyperplasia | Mild |
| | SOA | Inflammation | Chronic Active, Moderate |
| | SOA Epidermis | Ulcer | Marked |
| | [Hyperkeratosis TGLs = 1,2-10+11] | | |
| | [Hyperplasia TGLs = 1,2-10+11] | | |
| | [Inflammation TGLs = 1,2-10+11] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 124

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0504044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Clitoral Gland
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lung
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Moderate
- * Clitoral Gland
- Note: Only one clitoral gland available for histopathologic examination.
- * Liver Hepatocyte Depletion Glycogen Mild
- Inflammation Chronic Active, Minimal
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Marked
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous Gland Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 2-11]
- * Spleen Hematopoietic Cell Proliferation Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 128

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0504048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------------|--------------------------|
| * Bone Marrow | Myeloid Cell | Hyperplasia | Moderate |
| * Liver | Hepatocyte | Depletion Glycogen | Moderate |
| | | Inflammation | Chronic Active, Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperkeratosis | Moderate |
| | SOA Epidermis | Hyperplasia | Moderate |
| | Hair Follicle, SOA | Hyperplasia | Moderate |
| | SOA, Sebaceous GI | Hyperplasia | Mild |
| | SOA | Inflammation | Chronic Active, Moderate |
| | SOA Epidermis | Ulcer | Marked |
| | [Hyperkeratosis TGLs = 1,2,3-10+11+12] | | |
| | [Hyperplasia TGLs = 1,2,3-10+11+12] | | |
| | [Inflammation TGLs = 1,2,3-10+11+12] | | |
| | [Ulcer TGLs = 1,2,3-10+11+12] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 129

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 50 %

DISP: Terminal Sacrifice

HISTO: 0504049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------------|--------------------------|
| * Bone Marrow | Myeloid Cell | Hyperplasia | Moderate |
| * Liver | Hepatocyte | Depletion Glycogen | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Tension Lipidosis | Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Marked |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperkeratosis | Moderate |
| | SOA Epidermis | Hyperplasia | Moderate |
| | Hair Follicle, SOA | Hyperplasia | Moderate |
| | SOA, Sebaceous Gl | Hyperplasia | Mild |
| | SOA | Inflammation | Chronic Active, Moderate |
| | SOA Epidermis | Ulcer | Marked |
| | [Hyperkeratosis TGLs = 1,2,3-10+11+12] | | |
| | [Hyperplasia TGLs = 1,2,3-10+11+12] | | |
| | [Inflammation TGLs = 1,2,3-10+11+12] | | |
| | [Ulcer TGLs = 1,2,3-10+11+12] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 131

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504051

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 132

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Blood Vessel
- * Bone
- * Brain
- * Clitoral Gland
- * Esophagus
- * Eye
- * Gallbladder
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Kidney
- * Lung
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nose
- * Ovary
- * Pancreas
- * Parathyroid Gland
- * Pituitary Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Stomach, Glandular
- * Thymus
- * Thyroid Gland
- * Trachea
- * Urinary Bladder
- * Uterus

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Marked
- * Liver Hepatocyte Depletion Glycogen Moderate
- Lymph Node Axillary Hyperplasia Lymphoid, Marked
- [Hyperplasia TGLs = 4-13]
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Marked
- [Hyperplasia TGLs = 5-6]
- * Skin SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous Gl Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]
- * Spleen Hematopoietic Cell Proliferation Moderate

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 133

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pancreas
- * Stomach, Glandular
- * Urinary Bladder
- * Adrenal Medulla
- * Clitoral Gland
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Pituitary Gland
- * Thymus
- * Uterus
- * Blood Vessel
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Nose
- * Salivary Glands
- * Thyroid Gland
- * Bone
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Ovary
- * Stomach, Forestomach
- * Trachea

MISSING

- * Parathyroid Gland

OBSERVATIONS

- * Bone Marrow Myeloid Cell Hyperplasia Marked
- * Liver Hepatocyte Depletion Glycogen Moderate
- Lymph Node Axillary Hyperplasia Lymphoid, Moderate
- [Hyperplasia TGLs = 4-13]
- * Lymph Node, Mandibular Hyperplasia Lymphoid, Marked
- * Skin Hair Follicle, SOA Dilatation Moderate
- SOA Dermis Fibrosis Moderate
- SOA Epidermis Hyperkeratosis Moderate
- SOA Epidermis Hyperplasia Moderate
- Hair Follicle, SOA Hyperplasia Moderate
- SOA, Sebaceous GI Hyperplasia Mild
- SOA Inflammation Chronic Active, Moderate
- SOA Epidermis Ulcer Marked
- [Hyperkeratosis TGLs = 1,2,3-10+11+12]
- [Hyperplasia TGLs = 1,2,3-10+11+12]
- [Inflammation TGLs = 1,2,3-10+11+12]
- [Ulcer TGLs = 1,2,3-10+11+12]
- * Spleen Hematopoietic Cell Proliferation Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 133

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504053

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 134

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504054

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 135

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504055

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 136

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504056

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLs = 5-4]

PRIMARY CAUSE OF DEATH - Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 137

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504057

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperkeratosis TGLs = 1,2,3-10+11]

[Hyperplasia TGLs = 1,2,3-10+11]

[Inflammation TGLs = 1,2,3-10+11]

[Ulcer TGLs = 1,2,3,-10+11]

* Spleen

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Inflammation

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 138

TRT#: 14

SEX: Female

DAY ON TEST: 65

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504058

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin SOA Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 139

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504059

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 01/20/2014

Time Report Requested: 08:57:33

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

ANIMAL ID: 140

TRT#: 14

SEX: Female

DAY ON TEST: 66

DOSE: 100 %

DISP: Moribund Sacrifice

HISTO: 0504060

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Skin SOA Epidermis Ulcer

*** END OF REPORT ***