

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C55312B
<b>Lock Date:</b>	09/04/1992
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9204741

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Prostate		Inflammation	Chronic Active, Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 2

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204742

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland	* 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

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Regeneration	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204743
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**OBSERVATIONS**

* Kidney	Renal Tubule	Regeneration	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204744
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**OBSERVATIONS**

* Kidney	Renal Tubule	Regeneration	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204745
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 6

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204746

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Lung	Metaplasia	Osseous, Minimal
* Prostate	Inflammation	Chronic Active, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204747
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Kidney	Renal Tubule	Regeneration	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9204748

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Regeneration	Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204749
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**OBSERVATIONS**

* Kidney	Renal Tubule	Regeneration	Minimal
* Liver	[ Hepatodiaphragmatic Nodule TGLS = 1-4: HDN ]	Hepatodiaphragmatic Nodule	
* Preputial Gland		Inflammation	Chronic Active, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204750

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 11

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204841

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Skin

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 12

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204842

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 13

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204843

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 14

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 1304844

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 15

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204845

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 16

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204846

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 17

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204847

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 18

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204848

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 19

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204849

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 20

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204850

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 21

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204821

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Mild

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 22

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204822

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204823

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 24

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204824

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 25

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204825

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 26

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204826

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 27

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204827

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 28

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204828

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 29

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204829

---

**OBSERVATIONS**

Skin

Epidermis, SOA  
SOA, Sebaceous GI

Hyperplasia  
Hyperplasia

Mild  
Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 30

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204830

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 31

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204801

---

**OBSERVATIONS**

Kidney	Renal Tubule	Regeneration	Mild
Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Minimal
	SOA	Parakeratosis	Minimal
Testes	Germinal Epith	Degeneration	Mild

[ Degeneration TGLS = 1-10: DEGENERATION, GERMINAL EPITHELIUM ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 32

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204802

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Parakeratosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 33

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204803

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 34

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204804

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 35

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204805

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

SOA

Parakeratosis

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 36

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204806

---

**OBSERVATIONS**

Skin

Epidermis, SOA  
SOA, Sebaceous GI  
SOA

Hyperplasia  
Hyperplasia  
Inflammation

Mild  
Minimal  
Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 37

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204807

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 38

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204808

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 39

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204809

---

**OBSERVATIONS**

Kidney	Renal Tubule	Regeneration	Minimal
Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal
	SOA	Ulcer	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 40

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204810

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 41

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204781

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 42

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204782

---

**OBSERVATIONS**

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Mild

SOA

Parakeratosis

Moderate

SOA

Ulcer

Marked

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MODERATE ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 43

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204783

---

**OBSERVATIONS**

Kidney  
Skin

Renal Tubule  
Epidermis, SOA  
SOA, Sebaceous GI  
SOA  
SOA

Regeneration  
Hyperplasia  
Hyperplasia  
Inflammation  
Parakeratosis

Minimal  
Moderate  
Moderate  
Chronic Active, Minimal  
Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 44

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204784

---

**OBSERVATIONS**

Kidney	Renal Tubule	Regeneration	Minimal
Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 45

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204785

---

**OBSERVATIONS**

Skin

Epidermis, SOA  
SOA, Sebaceous GI  
SOA  
SOA  
SOA

Hyperplasia  
Hyperplasia  
Inflammation  
Parakeratosis  
Ulcer

Moderate  
Moderate  
Chronic Active, Mild  
Marked  
Marked

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 46

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204786

---

**OBSERVATIONS**

Kidney	Renal Tubule	Regeneration	Minimal
Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Mild
	SOA	Parakeratosis	Moderate
	SOA	Ulcer	Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 47

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204787

---

**OBSERVATIONS**

Skin

Epidermis, SOA  
SOA, Sebaceous GI  
SOA  
SOA

Hyperplasia  
Hyperplasia  
Inflammation  
Parakeratosis

Moderate  
Moderate  
Chronic Active, Mild  
Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 48

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204788

---

**OBSERVATIONS**

Skin

Epidermis, SOA  
SOA, Sebaceous GI  
SOA  
SOA

Hyperplasia  
Hyperplasia  
Inflammation  
Parakeratosis

Moderate  
Moderate  
Chronic Active, Mild  
Moderate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 49

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204789

---

**OBSERVATIONS**

Skin

Epidermis, SOA  
SOA, Sebaceous GI  
SOA  
SOA  
SOA

Hyperplasia  
Hyperplasia  
Inflammation  
Parakeratosis  
Ulcer

Moderate  
Moderate  
Chronic Active, Moderate  
Marked  
Marked

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 50

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204790

---

**OBSERVATIONS**

Kidney	Renal Tubule	Regeneration	Minimal
Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Minimal
	SOA	Parakeratosis	Moderate
	SOA	Ulcer	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204761

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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
* Mammary Gland	* 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			

**OBSERVATIONS**

* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Mild
	SOA	Parakeratosis	Moderate

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MODERATE ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland
* Pancreas	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Nose		Inflammation	Suppurative, Acute, Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | * Epididymis               | * Esophagus               | * 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    |
| * Mammary Gland          | * Nose                     | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Seminal Vesicle         | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

OBSERVATIONS

- |                   |                   |               |                          |
|-------------------|-------------------|---------------|--------------------------|
| * Preputial Gland |                   | Inflammation  | Chronic Active, Minimal  |
| * Prostate        |                   | Inflammation  | Chronic Active, Mild     |
| * Skin            | Epidermis, SOA    | Hyperplasia   | Moderate                 |
|                   | SOA, Sebaceous GI | Hyperplasia   | Moderate                 |
|                   | SOA               | Inflammation  | Chronic Active, Moderate |
|                   | SOA               | Parakeratosis | Marked                   |

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204766

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Kidney	Renal Tubule	Regeneration	Minimal
* Preputial Gland		Inflammation	Chronic Active, Marked
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | * Epididymis               | * Esophagus               | * 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  | * Mammary Gland             |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

OBSERVATIONS

- |                   |                   |               |                          |
|-------------------|-------------------|---------------|--------------------------|
| * Kidney          | Renal Tubule      | Regeneration  | Minimal                  |
| * Preputial Gland |                   | Inflammation  | Chronic Active, Marked   |
| * Skin            | Epidermis, SOA    | Hyperplasia   | Moderate                 |
|                   | SOA, Sebaceous GI | Hyperplasia   | Moderate                 |
|                   | SOA               | Inflammation  | Chronic Active, Moderate |
|                   | SOA               | Parakeratosis | Marked                   |
|                   | SOA               | Ulcer         | Marked                   |

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | * Epididymis               | * Esophagus               | * 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                   | * Pancreas                 | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |  |                   |                            |                          |
|--|-------------------|----------------------------|--------------------------|
| * Liver  |                   | Hepatodiaphragmatic Nodule |                          |
| [ Hepatodiaphragmatic Nodule TGLS = 2-5: HDN ]       |                   |                            |                          |
| * Preputial Gland                                    |                   | Inflammation               | Chronic Active, Minimal  |
| * Skin   | Epidermis, SOA    | Hyperplasia                | Moderate                 |
|  | SOA, Sebaceous GI | Hyperplasia                | Moderate                 |
|  | SOA               | Inflammation               | Chronic Active, Moderate |
|  | SOA               | Parakeratosis              | Marked                   |
|  | SOA               | Ulcer                      | Marked                   |
| [ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ] |                   |                            |                          |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | * Epididymis               | * Esophagus               | * 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    |
| * Mammary Gland          | * 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        |                            |                           |                             |

OBSERVATIONS

- |        |                   |               |                          |
|--------|-------------------|---------------|--------------------------|
| * Skin | Epidermis, SOA    | Hyperplasia   | Moderate                 |
|        | SOA, Sebaceous GI | Hyperplasia   | Moderate                 |
|        | SOA               | Inflammation  | Chronic Active, Moderate |
|        | SOA               | Parakeratosis | Marked                   |
|        | SOA               | Ulcer         | Marked                   |

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:23

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * 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  | * Mammary Gland             | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Seminal Vesicle          | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Testes                   | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

- |                   |                   |                |                          |
|-------------------|-------------------|----------------|--------------------------|
| * Heart           |                   | Cardiomyopathy | Minimal                  |
| * Kidney          | Renal Tubule      | Regeneration   | Minimal                  |
| * Preputial Gland |                   | Inflammation   | Chronic Active, Minimal  |
| * Prostate        |                   | Inflammation   | Chronic Active, Minimal  |
| * Skin            | Epidermis, SOA    | Hyperplasia    | Moderate                 |
|                   | SOA, Sebaceous GI | Hyperplasia    | Moderate                 |
|                   | SOA               | Inflammation   | Chronic Active, Moderate |
|                   | SOA               | Parakeratosis  | Marked                   |
|                   | SOA               | Ulcer          | Marked                   |

[ Parakeratosis TGLS = 1-12: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 61

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204751

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland	Inflammation	Chronic Active, Minimal
* Kidney	Mineralization	Minimal
* Liver	Hepatodiaphragmatic Nodule	

[ Hepatodiaphragmatic Nodule TGLS = 1-4: HDN ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 62

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204752

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Skin  
\* Thymus  
\* Uterus

\* Bone  
\* Heart  
\* Intestine Small, Duodenum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Spleen  
\* Thyroid Gland

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Trachea

**OBSERVATIONS**

\* Clitoral Gland  
\* Kidney

Inflammation  
Mineralization

Chronic Active, Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 63

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204753

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Skin  
\* Thymus  
\* Uterus

\* Bone  
\* Heart  
\* Intestine Small, Duodenum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Spleen  
\* Thyroid Gland

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Trachea

**OBSERVATIONS**

\* Clitoral Gland  
\* Kidney

Inflammation  
Mineralization

Chronic Active, Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 64

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204754

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* 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**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 65	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9204755

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
* Lung		Inflammation	Acute, Minimal
* Ovary	Periovarn Tiss	Cyst	Mild
[ Cyst TGLS = 1-10: CYST ]			
* Pituitary Gland	Craniophar Dct, Pars Distalis	Cyst	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 66

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204756

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Skin  
\* Thymus  
\* Uterus

\* Bone  
\* Heart  
\* Intestine Small, Duodenum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Spleen  
\* Thyroid Gland

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Trachea

**OBSERVATIONS**

\* Clitoral Gland  
\* Kidney

Inflammation  
Mineralization

Chronic Active, Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 67

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204757

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
* Ovary	Periovarn Tiss	Cyst	Minimal
[ Cyst TGLS = 1-10: CYST ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 68

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204758

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
* Pituitary Gland	Craniophar Dct, Pars Distalis	Cyst	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 69

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204759

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9204760

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

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**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
* Ovary	Periovarn Tiss	Cyst	Minimal
[ Cyst TGLS = 1-10: CYST ]			
* Pancreas	Acinus	Atrophy	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 25 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9204851

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Skin

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**OBSERVATIONS**

Kidney		Mineralization	Minimal
Ovary	Periovarn Tiss	Cyst	Mild
[ Cyst TGLS = 1-10: CYST ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 4 <b>DOSE:</b> 25 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204852
<b>OBSERVATIONS</b>			
Kidney		Mineralization	Minimal
Skin	Epidermis, SOA	Hyperplasia	Minimal
<b>PRIMARY CAUSE OF DEATH</b>			
-			

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 73

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204853

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

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**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 4 <b>DOSE:</b> 25 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204854
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Skin

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**OBSERVATIONS**

Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Minimal
Ovary	Periovarn Tiss	Cyst	Mild
[ Cyst TGLS = 1-10: CYST ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 25 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9204855

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

---

**OBSERVATIONS**

Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 76	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 25 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9204856

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
Ovary	Periovarn Tiss	Cyst	Mild
[ Cyst TGLS = 1-10: CYST ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 4 <b>DOSE:</b> 25 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204857
<b>OBSERVATIONS</b>			
Kidney	Renal Tubule	Mineralization Regeneration	Minimal Minimal
Liver [ Hepatodiaphragmatic Nodule TGLS = 1-4: HDN ]		Hepatodiaphragmatic Nodule	
Skin	Epidermis, SOA	Hyperplasia	Minimal
<hr/> <b>PRIMARY CAUSE OF DEATH</b> - <hr/>			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 78

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204858

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 79

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204859

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

---

**OBSERVATIONS**

Kidney

Mineralization

Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 80

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204860

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Skin

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 81

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204831

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 82

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204832

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 83

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204833

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 84

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204834

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Ovary	Periovarn Tiss	Cyst	Mild
[ Cyst TGLS = 1-10: CYST ]			
Skin	Epidermis, SOA	Hyperplasia	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 85

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204835

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Ovary

Periovarn Tiss

Cyst

Mild

[ Cyst TGLS = 1-10: CYST ]

Skin

Epidermis, SOA

Hyperplasia

Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 86

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204836

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 87

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204837

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 88	<b>TRT#:</b> 6 <b>DOSE:</b> 50 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204838
<b>OBSERVATIONS</b>			
Kidney	Renal Tubule	Mineralization Regeneration	Minimal Minimal
Liver [ Hepatodiaphragmatic Nodule TGLS = 1-4: HDN ]		Hepatodiaphragmatic Nodule	
Skin	Epidermis, SOA	Hyperplasia	Minimal
<hr/> <b>PRIMARY CAUSE OF DEATH</b> - <hr/>			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 6 <b>DOSE:</b> 50 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204839
<b>OBSERVATIONS</b>			
Kidney	Renal Tubule	Mineralization	Minimal
Ovary	Periovarn Tiss	Regeneration	Minimal
[ Cyst TGLS = 1-10: CYST ]		Cyst	Mild
Skin	Epidermis, SOA	Hyperplasia	Mild
<hr/> <b>PRIMARY CAUSE OF DEATH</b>			
-			

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 90

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204840

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 8 <b>DOSE:</b> 100 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204811
<b>OBSERVATIONS</b>			
Kidney	Renal Tubule	Mineralization	Mild
Ovary	Periovarn Tiss	Regeneration	Minimal
[ Cyst TGLS = 1-10: CYST ]		Cyst	Mild
Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Minimal
	SOA	Inflammation	Chronic Active, Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 92

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204812

---

**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 8 <b>DOSE:</b> 100 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204813
<b>OBSERVATIONS</b>			
Kidney	Renal Tubule	Mineralization	Mild
Ovary	Periovarn Tiss	Regeneration	Minimal
[ Cyst TGLS = 1-10: CYST ]		Cyst	Mild
Skin	Epidermis, SOA	Hyperplasia	Mild
	SOA, Sebaceous GI	Hyperplasia	Mild
	SOA	Inflammation	Chronic Active, Minimal
<hr/>			
PRIMARY CAUSE OF DEATH	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 8 <b>DOSE:</b> 100 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204814
<b>OBSERVATIONS</b>			
Kidney	Renal Tubule	Mineralization Regeneration	Mild Minimal
Liver	[ Hepatodiaphragmatic Nodule TGLS = 1-4: HDN ]	Hepatodiaphragmatic Nodule	
Skin	Epidermis, SOA SOA, Sebaceous GI SOA	Hyperplasia Hyperplasia Inflammation	Mild Minimal Chronic Active, Minimal
<hr/> <b>PRIMARY CAUSE OF DEATH</b> - <hr/>			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:23

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 95

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204815

---

**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:24

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 96

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204816

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:24

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 97

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204817

---

**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:24

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 98

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204818

---

**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:24

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 99

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204819

---

**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01

**Test Type:** 90-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 05:25:24

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 100

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204820

---

**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Minimal

Skin

Epidermis, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 101

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204791

**OBSERVATIONS**

Kidney

Renal Tubule

Mineralization

Mild

Ovary

Bilateral, Periovarn Tiss

Regeneration

Minimal

[ Cyst TGLS = 2-10: CYST ]

Cyst

Mild

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA

Parakeratosis

Marked

SOA

Ulcer

Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204792

**OBSERVATIONS**

Kidney	Renal Tubule	Mineralization	Mild
Liver		Regeneration	Mild
	[ Hepatodiaphragmatic Nodule TGLS = 2-4: HDN ]	Hepatodiaphragmatic Nodule	
Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Moderate
	SOA	Ulcer	Marked
	[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MODERATE ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 103

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204793

**OBSERVATIONS**

Kidney

Infarct

Marked

Mineralization

Mild

Renal Tubule

Regeneration

Minimal

[ Infarct TGLS = 2-12: INFARCT, MARKED ]

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Mild

SOA

Parakeratosis

Moderate

SOA

Ulcer

Moderate

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MODERATE ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

<b>ANIMAL ID:</b> 104	<b>TRT#:</b> 10 <b>DOSE:</b> 200 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9204794
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**OBSERVATIONS**

Kidney	Renal Tubule	Mineralization Regeneration	Minimal Minimal
Liver	Artery Hepatocyte	Atrophy Dilatation Hyperplasia Inflammation	Marked Marked Marked Chronic Active, Moderate
[ Atrophy TGLS = 4-5: ATROPHY, MARKED ]			
[ Dilatation TGLS = 5-12: DILATATION, ARTERY. MARKED ]			
[ Hyperplasia TGLS = 6-13: HYPERPLASIA, HEPATOCYTE, MARKED ]			
Ovary	Periovarn Tiss	Cyst	Mild
[ Cyst TGLS = 3-10: CYST ]			
Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Moderate
	SOA	Ulcer	Marked
[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MODERATE ]			
Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 2-1: HYPERPLASIA, LYMPHOID, MILD ]			

PRIMARY CAUSE OF DEATH -

Animal Note: THE GROSS AND HISTOPATHOLOGIC FINDINGS INVOLVING THE LIVER SUGGEST A CONGENITAL HEPATIC MALFORMATION WITH COMPENSATORY HYPERPLASIA OF FUNCTIONAL TISSUE.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 105

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204795

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**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Mild

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA

Parakeratosis

Moderate

SOA

Ulcer

Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MODERATE ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 106

**TRT#:** 10  
**DOSE:** 200 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 93  
**HISTO:** 9204796

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**OBSERVATIONS**

Kidney	Renal Tubule	Mineralization	Mild
Skin	Epidermis, SOA	Regeneration	Minimal
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Mild
	SOA	Parakeratosis	Moderate
	SOA	Ulcer	Moderate

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MODERATE ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 107

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204797

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**OBSERVATIONS**

Kidney

Mineralization

Minimal

Renal Tubule

Regeneration

Mild

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA

Parakeratosis

Marked

SOA

Ulcer

Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 108

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204798

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**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Mild

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA

Parakeratosis

Marked

SOA

Ulcer

Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 109

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204799

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**OBSERVATIONS**

Kidney

Mineralization

Mild

Renal Tubule

Regeneration

Mild

Skin

Epidermis, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hyperplasia

Moderate

SOA

Inflammation

Chronic Active, Moderate

SOA

Parakeratosis

Moderate

SOA

Ulcer

Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MODERATE ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 110

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204800

**OBSERVATIONS**

Kidney	Renal Tubule	Mineralization	Mild
Ovary	Periovarn Tiss	Regeneration	Mild
[ Cyst TGLS = 2-10: CYST ]		Cyst	Mild
Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked
[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 113

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 400 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204773

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Moderate

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Esophagus               | * 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  | * Mammary Gland             | * Nose                   |
| * Ovary                    | * Pancreas                | * Pituitary Gland           | * Salivary Glands        |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           | * Uterus                 |

INSUFFICIENT TISSUE

- \* Parathyroid Gland

OBSERVATIONS

- |                  |                   |                |                          |
|------------------|-------------------|----------------|--------------------------|
| * Clitoral Gland |                   | Inflammation   | Chronic Active, Minimal  |
| * Kidney         |                   | Mineralization | Minimal                  |
|                  | Renal Tubule      | Regeneration   | Mild                     |
| * Skin           | Epidermis, SOA    | Hyperplasia    | Moderate                 |
|                  | SOA, Sebaceous GI | Hyperplasia    | Moderate                 |
|                  | SOA               | Inflammation   | Chronic Active, Moderate |
|                  | SOA               | Parakeratosis  | Marked                   |
|                  | SOA               | Ulcer          | Marked                   |

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | * Esophagus               | * 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  | * Mammary Gland             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

OBSERVATIONS

- |                  |                   |                |                          |
|------------------|-------------------|----------------|--------------------------|
| * Clitoral Gland |                   | Inflammation   | Chronic Active, Minimal  |
| * Kidney         |                   | Mineralization | Mild                     |
|                  | Renal Tubule      | Regeneration   | Moderate                 |
| * Skin           | Epidermis, SOA    | Hyperplasia    | Moderate                 |
|                  | SOA, Sebaceous GI | Hyperplasia    | Moderate                 |
|                  | SOA               | Inflammation   | Chronic Active, Moderate |
|                  | SOA               | Parakeratosis  | Marked                   |
|                  | SOA               | Ulcer          | Marked                   |

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55312-01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Coconut oil acid diethanolamine condensate  
**CAS Number:** 68603-42-9

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 05:25:24  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 117

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 400 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9204777

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Minimal
* Ovary	Periovarn Tiss	Cyst	Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 2-4: HDN ]		
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked
	[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55312-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Coconut oil acid diethanolamine condensate  
CAS Number: 68603-42-9

Date Report Requested: 10/23/2014

Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204779

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Mild
	Renal Tubule	Regeneration	Mild
* Skin	Epidermis, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hyperplasia	Moderate
	SOA	Inflammation	Chronic Active, Moderate
	SOA	Parakeratosis	Marked
	SOA	Ulcer	Marked

[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

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Time Report Requested: 05:25:24

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 9204780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

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[ Parakeratosis TGLS = 1-11: PARAKERATOSIS, MARKED ]

PRIMARY CAUSE OF DEATH

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\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE