

Experiment Number: 91014-01
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Oleic acid diethanolamine condensate
CAS Number: 93-83-4

Date Report Requested: 10/19/2014
Time Report Requested: 08:02:57
First Dose M/F: NA / NA
Lab: BAT

C Number:	C91014
Lock Date:	02/17/1993
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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Date Report Requested: 10/19/2014

Time Report Requested: 08:02:57

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Parasite Metazoan	X										1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Parasite Metazoan	X										1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Centrilobular, Vacuolization Cytoplasmic				1		1	1	1	1	1	6 1.0
Inflammation, Granulomatous	1		1	1			1				4 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Regeneration						1					1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Myocardium, Cardiomyopathy	1	1		2	1			1		1	6 1.2

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Myocardium, Hemorrhage 1 1.0

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	M	M	+	+	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Ultimobranchial Cyst	1							1			2 1.0

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1				2	1		1	1	1	6 1.2
Prostate	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative								1	1	2	3 1.3
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
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Species/Strain: Rat/F 344/N

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CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:57

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolus, Inflammation, Chronic Active					1				1	1	3 1.0
Perivascular, Inflammation, Chronic Active			2		2				2	2	4 2.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
NONE											

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 Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0
	1	2	3	4	5	6	7	8	9	0	

***TOTALS**

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active				1							1 1.0
Renal Tubule, Regeneration	1			1			1	1	1	1	6 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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 Species/Strain: Rat/F 344/N

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 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:58
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
25 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver + 1
 Hepatodiaphragmatic Nodule X 1

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + + + + + + + 10

Musculoskeletal System

NONE

Nervous System

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First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male
25 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

NONE
Respiratory System

NONE
Special Senses System

NONE
Urinary System

NONE

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+ ..Tissue examined microscopically

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Species/Strain: Rat/F 344/N

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Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
50 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	3	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + + + + + + + 10

Dermis, SOA, Inflammation, Chronic Active 1 1 2 1.0

SOA, Hyperplasia 1 1 1 1 1 1 1 7 1.0

Musculoskeletal System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X ..Lesion present

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Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

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Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:58
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
50 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	3	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
100 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+	10
Dermis, SOA, Inflammation, Chronic Active	1	2	1	1		1			1		6 1.2
Epidermis, SOA, Inflammation, Suppurative		2									1 2.0
SOA, Hyperplasia	2	2	2	2	1	2	2		1		8 1.8
SOA, Parakeratosis	1	2									2 1.5
SOA, Sebaceous GI, Hypertrophy	2	1									2 1.5

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Test Type: 90-DAY

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Species/Strain: Rat/F 344/N

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Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male
100 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
200 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+	10	
Dermis, SOA, Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	9	1.0
Epidermis, SOA, Inflammation, Suppurative		1			1					1	3	1.0
Epidermis, SOA, Ulcer										2	1	2.0
SOA, Hyperplasia	2	2	2	2	2	2	2	2	2	2	9	2.0
SOA, Parakeratosis	1	2	2	2	2	2	1	2	1	1	9	1.7

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Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male
200 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	
	*TOTALS										
SOA, Sebaceous GI, Hypertrophy	1		2	2	2	1	2	1		2	8 1.6
SOA, Ulcer		2			2						2 2.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
400 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Centrilobular, Vacuolization Cytoplasmic	1	1	1	1	1	1			1		7 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Myocardium, Cardiomyopathy	1		1		1	1	1	1	1	1	8 1.0

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
400 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	M	M	M	+	+	7
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Ultimobranchial Cyst	1							1			2 1.0
General Body System											
NONE											
Genital System											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1						1	1	1		4 1.0
Inflammation, Granulomatous						2					1 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
400 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Dermis, SOA, Inflammation, Chronic Active	1	1	1	1	1	1	1	2	1	1	10	1.1
Epidermis, SOA, Inflammation, Suppurative	1		1				3	1	1		5	1.4
SOA, Hyperplasia	2	2	3	2	3	2	2	2	2	2	10	2.2
SOA, Parakeratosis	2	2	2	2	2	1	2	1	2	2	10	1.8
SOA, Sebaceous Gl, Hypertrophy	2	2	2	2	2	2	2	2	2	2	10	2.0

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10	
Perivascular, Inflammation, Chronic Active			2	2	2						3	2.0
Serosa, Fibrosis			1								1	1.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	10	

Special Senses System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
400 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Regeneration	1	1	1			1				1	5 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X		X		X				3
Inflammation, Granulomatous				1					1	1	3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Atrophy					1						1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Myocardium, Cardiomyopathy			1							1	2 1.0

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate
 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:58
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
0 MG/KG

	DAY ON TEST												
	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0			
	6	6	6	6	6	6	6	6	6	7			
	1	2	3	4	5	6	7	8	9	0	*TOTALS		
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	9		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10		
Ultimobranchial Cyst	1		2			1					3	1.3	
General Body System													
NONE													
Genital System													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic Active	1	1		2		1		1	1	1	7	1.1	
Ovary	+	+	+	+	+	+	+	+	+	+	10		
Periovarn Tiss, Cyst		1		1				2	1		4	1.3	
Uterus	+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic System													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Granulomatous						1				1	2	1.0	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	M	+	9		
Spleen	+	+	+	+	+	+	+	+	+	+	10		

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:58

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
0 MG/KG

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolus, Inflammation, Chronic Active	1		1								2 1.0
Perivascular, Inflammation, Chronic Active	2		2				2	2			4 2.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular			2								1 2.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
NONE											
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Oleic acid diethanolamine condensate
 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:58
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
0 MG/KG

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	2	2	2	2	2	2	2	2	2	2		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	6	6	6	6	6	6	6	6	6	7		
	1	2	3	4	5	6	7	8	9	0	*TOTALS	
Mineralization		1	2	1	1	1	1	2		1	8	1.3
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Oleic acid diethanolamine condensate
 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:59
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
25 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	8	8
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver + 1
 Hepatodiaphragmatic Nodule X 1

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex + 1

General Body System

NONE

Genital System

Ovary + 1
 Follicle, Cyst 1 1 1.0

Hematopoietic System

NONE

Integumentary System

Skin + + + + + + + + + + 10

Musculoskeletal System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Oleic acid diethanolamine condensate
 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:59
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
25 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0	
	*TOTALS										

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Oleic acid diethanolamine condensate
 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:59
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 50 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary											1
Periovarn Tiss, Cyst										1	1.0

Hematopoietic System

NONE

Integumentary System

Skin											10
Dermis, SOA, Inflammation, Chronic Active										1	1.0
SOA, Hyperplasia		1	1	2	2	1	1	1	1	2	10 1.3
SOA, Parakeratosis		1	1							2	1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:59

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female
50 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:59

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
100 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary

+	+										2		
2	2											2	2.0

Periovarn Tiss, Cyst

Hematopoietic System

NONE

Integumentary System

Skin

+	+	+	+	+	+	+	+	+	+		10		
1		1	1	1	1	1		1	1			8	1.0
							1					1	1.0
1	1	2	1	1	2	1	1	1	2			10	1.3
1		1	1	1	2	2		1	1			8	1.3

Dermis, SOA, Inflammation, Chronic Active

Epidermis, SOA, Inflammation, Suppurative

SOA, Hyperplasia

SOA, Parakeratosis

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Oleic acid diethanolamine condensate
 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:59
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
100 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	9	0
	*TOTALS										
											1
											1
											1.0

SOA, Ulcer

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:59

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
200 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+	10	
Dermis, SOA, Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	10	1.0
Epidermis, SOA, Inflammation, Suppurative				1		1	1				3	1.0
SOA, Hyperplasia	1	1	2	1	1	2	2	1	2	2	10	1.5
SOA, Parakeratosis	1		1	1	1	1	2	1	1	1	9	1.1
SOA, Sebaceous GI, Hypertrophy			2	1		1	2		2	1	6	1.5

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1-4 ..Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:59

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female
200 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

***TOTALS**

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:59

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
400 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule					X			X			2
Inflammation, Chronic Active				1							1 1.0
Inflammation, Granulomatous			1		1	1				1	4 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Myocardium, Cardiomyopathy				1							1 1.0

Endocrine System

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:59

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
400 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Ultimobranchial Cyst		1				1					2 1.0

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active			1		1				1		3 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	10
Mineralization							1				1 1.0
Periovarn Tiss, Cyst							3				1 3.0
Uterus	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Granulomatous			1								1 1.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	M	+	9
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10

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Experiment Number: 91014-01
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Oleic acid diethanolamine condensate
 CAS Number: 93-83-4

Date Report Requested: 10/19/2014
 Time Report Requested: 08:02:59
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
 400 MG/KG

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	2	2	2	2	2	2	2	2	2	2		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	2		
	1	2	3	4	5	6	7	8	9	0	*TOTALS	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Integumentary System												
Mammary Gland	+	+	+	+	+	+	+	M	+	+	9	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Dermis, SOA, Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	10	1.0
Epidermis, SOA, Erosion				1		2					2	1.5
Epidermis, SOA, Inflammation, Suppurative	1	1	1	1		1	2	1			7	1.1
Epidermis, SOA, Ulcer			1								1	1.0
SOA, Hyperplasia	2	2	2	2	2	2	2	1	3	2	10	2.0
SOA, Parakeratosis	2	2	2	2	1	2	2	1	2	2	10	1.8
SOA, Sebaceous Gl, Hypertrophy	2	2	2	2	2	2	2	2	2	2	10	2.0
SOA, Ulcer							2	2			2	2.0
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Respiratory System												
Lung	+	+	+	+	+	+	+	+	+	+	10	
Alveolar Epith, Inflammation, Chronic Active			1								1	1.0
Mineralization			1								1	1.0

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Experiment Number: 91014-01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Oleic acid diethanolamine condensate

CAS Number: 93-83-4

Date Report Requested: 10/19/2014

Time Report Requested: 08:02:59

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
400 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0			
	9	9	9	9	9	9	9	9	9	9	0	0	
	2	2	2	2	2	2	2	2	2	2	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	1	
	1	2	3	4	5	6	7	8	9	0			
											*TOTALS		
Perivascular, Inflammation, Chronic Active	2			2			2		3	2.0			
Nose	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular	1						2		2	1.5			
Trachea	+	+	+	+	+	+	+	+	+	+	10		
Special Senses System													
NONE													
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	10		
Mineralization	1	1	1	1	1	1	1	1			8	1.0	
Renal Tubule, Regeneration						1					1	1.0	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10		

** END OF REPORT **

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked