

Experiment Number: 05049 - 03

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 04/24/2020

Test Type: 14-DAY

Route: DOSED WATER

Species/Strain: RATS/HSD

Ionic liquid Toxicity

CAS Number: IONICLIQUIDS

Time Report Requested: 12:10:10

First Dose M/F: 03/09/09 / 03/10/09

Lab: MBA

NTP Study Number: C05049

Lock Date: 12/04/2009

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups:	Include 001 Control Male	Include 012 1.0 mg/ml NBuPy	Include 013 3.0 mg/ml NBuPy
	Include 014 6.0 mg/ml NBuPy	Include 015 Control Female	Include 026 1.0 mg/ml NBuPy
	Include 027 3.0 mg/ml NBuPy	Include 028 6.0 mg/ml NBuPy	

Study Gender: Both

TDMSE Version: 3.0.2.3_002

PWG Approval Date: NONE

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Species/Strain: RATS/HSD

Lab: MBA

Harlan Sprague Dawley RATS MALE

Control Male

1.0 mg/ml NBUpy

3.0 mg/ml NBUpy

6.0 mg/ml NBUpy

Disposition Summary

Animals Initially In Study

10

5

5

5

Early Deaths

Survivors

Terminal Sacrifice

10

5

5

5

Animals Examined Microscopically

10

5

5

5

ALIMENTARY SYSTEM

Intestine Small, Duodenum

(10)

(0)

(0)

(5)

Intestine Small, Ileum

(10)

(0)

(0)

(5)

Intestine Small, Jejunum

(10)

(0)

(0)

(5)

Liver

(10)

(5)

(5)

(5)

Depletion Glycogen

1 [1.0]

4 [1.0]

Stomach, Forestomach

(10)

(0)

(0)

(5)

Stomach, Glandular

(10)

(0)

(0)

(5)

CARDIOVASCULAR SYSTEM

Heart

(10)

(0)

(0)

(5)

Cardiomyopathy

8 [1.0]

4 [1.0]

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Testes

(10)

(0)

(0)

(5)

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Control Male

1.0 mg/ml NBuPy

3.0 mg/ml NBuPy

6.0 mg/ml NBuPy

HEMATOPOIETIC SYSTEM

Spleen	(10)	(0)	(0)	(5)
Thymus	(10)	(0)	(5)	(5)
Necrosis				1 [1.0]

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

Brain	(10)	(0)	(0)	(5)
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RESPIRATORY SYSTEM

Lung	(10)	(0)	(0)	(5)
Metaplasia, Osseous	1 [1.0]			

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(10)	(0)	(0)	(5)
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Harlan Sprague Dawley RATS MALE

Control Male

1.0 mg/ml NBUpy

3.0 mg/ml NBUpy

6.0 mg/ml NBUpy

*** END OF MALE ***

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Species/Strain: RATS/HSD

Lab: MBA

Harlan Sprague Dawley RATS FEMALE

Control Female

1.0 mg/ml NBUpy

3.0 mg/ml NBUpy

6.0 mg/ml NBUpy

Disposition Summary

Animals Initially In Study	10	5	5	5
Early Deaths				
Survivors				
Terminal Sacrifice	10	5	5	5
Animals Examined Microscopically	10	5	5	5

ALIMENTARY SYSTEM

Intestine Small, Duodenum	(10)	(0)	(0)	(5)
Intestine Small, Ileum	(10)	(0)	(0)	(5)
Intestine Small, Jejunum	(10)	(0)	(0)	(5)
Liver	(10)	(0)	(5)	(5)
Depletion Glycogen				1 [1.0]
Stomach, Forestomach	(10)	(0)	(0)	(5)
Stomach, Glandular	(10)	(0)	(0)	(5)

CARDIOVASCULAR SYSTEM

Heart	(10)	(0)	(0)	(5)
Cardiomyopathy	10 [1.0]			5 [1.0]

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Ovary	(10)	(0)	(0)	(5)
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6.0 mg/ml NBUpy

HEMATOPOIETIC SYSTEM

Spleen	(10)	(0)	(5)	(5)
Depletion Cellular				1 [1.0]
Thymus	(10)	(0)	(5)	(5)
Atrophy				1 [2.0]
Necrosis				3 [1.3]

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

Brain	(10)	(0)	(0)	(5)
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RESPIRATORY SYSTEM

Lung	(10)	(0)	(0)	(5)
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SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(10)	(0)	(0)	(5)
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