

**Experiment Number:** 05049 - 04  
**Test Type:** 14-DAY  
**Route:** DOSED WATER  
**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Ionic liquid Toxicity  
**CAS Number:** IONICLIQUIDS

**Date Report Requested:** 04/28/2020  
**Time Report Requested:** 12:16:03  
**First Dose M/F:** 03/12/09 / 03/13/09  
**Lab:** MBA

**NTP Study Number:** C05049

**Lock Date:** 12/03/2009

**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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B6C3F1 MICE MALE	DAY ON TEST	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
	5	5	5	5	5	5	5	5	5	5	5
Control Male	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
	1	2	3	4	5	6	7	8	9	0	
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Testes	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**HEMATOPOIETIC 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

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Time Report Requested: 12:16:03

First Dose M/F: 03/12/09 / 03/13/09

Lab: MBA

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	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	
		5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	0	0	0	0	
<b>Control Male</b>	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	1
		1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>	

Spleen + + + + + + + + + + 10

Thymus + + + + + M + + + + 9

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain + + + + + + + + + + 10

RESPIRATORY SYSTEM

Lung + + + + + + + + + + 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

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First Dose M/F: 03/12/09 / 03/13/09

Lab: MBA

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
<b>6.0 mg/ml NBuPy</b>	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		7	7	7	7	7
		1	2	3	4	5
					<b>* TOTALS</b>	

**ALIMENTARY SYSTEM**

Intestine Small, Duodenum	+	+	+	+	+	<b>5</b>
Intestine Small, Ileum	+	+	+	+	+	<b>5</b>
Intestine Small, Jejunum	+	+	+	+	+	<b>5</b>
Liver	+	+	+	+	+	<b>5</b>
Stomach, Forestomach	+	+	+	+	+	<b>5</b>
Stomach, Glandular	+	+	+	+	+	<b>5</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	<b>5</b>
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**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Testes	+	+	+	+	+	<b>5</b>
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**HEMATOPOIETIC SYSTEM**

\* .. 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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First Dose M/F: 03/12/09 / 03/13/09

Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
6.0 mg/ml NBuPy	ANIMAL ID	1	1	1	1	1	
		5	5	5	5	5	
		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		7	7	7	7	7	
		1	2	3	4	5	
							<b>* TOTALS</b>
Spleen		+	+	+	+	+	<b>5</b>
Thymus		+	+	+	+	+	<b>5</b>
<b>INTEGUMENTARY SYSTEM</b>							
NONE							
<b>MUSCULOSKELETAL SYSTEM</b>							
NONE							
<b>NERVOUS SYSTEM</b>							
Brain		+	+	+	+	+	<b>5</b>
<b>RESPIRATORY SYSTEM</b>							
Lung		+	+	+	+	+	<b>5</b>
<b>SPECIAL SENSES SYSTEM</b>							
NONE							
<b>URINARY SYSTEM</b>							
Kidney		+	+	+	+	+	<b>5</b>

\*\*\* END OF MALE DATA \*\*\*

\* .. 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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First Dose M/F: 03/12/09 / 03/13/09

Lab: MBA

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	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	
		5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	5	
<b>Control Female</b>	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	
		7	7	7	7	8	8	8	8	8	
		6	7	8	9	0	1	2	3	4	
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**HEMATOPOIETIC SYSTEM**

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Lab: MBA

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	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	
		5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	5	
<b>Control Female</b>	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	
		7	7	7	7	8	8	8	8	8	
		6	7	8	9	0	1	2	3	4	

\* TOTALS

Spleen	+	+	+	+	+	+	+	+	+	+	10
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Thymus	+	+	+	+	+	+	+	+	+	+	10
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INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
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RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
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SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
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Lab: MBA

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
<b>6.0 mg/ml NBuPy</b>	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		4	4	4	4	5
		6	7	8	9	0
					<b>* TOTALS</b>	

**ALIMENTARY SYSTEM**

Intestine Small, Duodenum	+	+	+	+	+	<b>5</b>
Intestine Small, Ileum	+	+	+	+	+	<b>5</b>
Intestine Small, Jejunum	+	+	+	+	+	<b>5</b>
Liver	+	+	+	+	+	<b>5</b>
Stomach, Forestomach	+	+	+	+	+	<b>5</b>
Stomach, Glandular	+	+	+	+	+	<b>5</b>

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	<b>5</b>
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**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Ovary	+	+	+	+	+	<b>5</b>
-------	---	---	---	---	---	----------

**HEMATOPOIETIC SYSTEM**

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

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B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
6.0 mg/ml NBuPy	ANIMAL ID	1	1	1	1	1	
		5	5	5	5	5	
		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		4	4	4	4	5	
		6	7	8	9	0	
							<b>* TOTALS</b>
Spleen		+	+	+	+	+	<b>5</b>
Thymus		+	+	+	+	+	<b>5</b>
<b>INTEGUMENTARY SYSTEM</b>							
NONE							
<b>MUSCULOSKELETAL SYSTEM</b>							
NONE							
<b>NERVOUS SYSTEM</b>							
Brain		+	+	+	+	+	<b>5</b>
<b>RESPIRATORY SYSTEM</b>							
Lung		+	+	+	+	+	<b>5</b>
<b>SPECIAL SENSES SYSTEM</b>							
NONE							
<b>URINARY SYSTEM</b>							
Kidney		+	+	+	+	+	<b>5</b>

\*\*\* END OF REPORT \*\*\*

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

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