

**Experiment Number:** 20525-01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F344/N Tac

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

**Test Compound:** n-Butyl glycidyl ether

**CAS Number:** 2426-08-6

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 04:47:30

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

**Lab:** BNW

<b>C Number:</b>	C20525
<b>Lock Date:</b>	12/01/2006
<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

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Lab: BNW

F344/N Tac Rat MALE	Control	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Moribund Sacrifice						1
Natural Death					1	4
Survivors						
Terminal Sacrifice	5	5	5	5	4	
Animals Examined Microscopically	5	5	5	5	5	5
<b>ALIMENTARY SYSTEM</b>						
Liver	(5)	(0)	(1)	(1)	(0)	(5)
Hepatodiaphragmatic Nodule			1	1		
Necrosis						1 [1.0]
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(5)	(0)	(0)	(0)	(0)	(5)
Testes	(5)	(0)	(5)	(5)	(5)	(5)
Germinal Epith, Degeneration				5 [1.0]	5 [3.8]	5 [2.8]
<b>HEMATOPOIETIC SYSTEM</b>						
None						
<b>INTEGUMENTARY SYSTEM</b>						
None						

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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F344/N Tac Rat MALE	Control	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Larynx	(5)	(0)	(5)	(5)	(5)	(5)
Inflammation, Acute					5 [1.8]	5 [4.0]
Necrosis					2 [1.0]	5 [4.0]
Respirat Epith, Metaplasia, Squamous				3 [1.7]	5 [4.0]	
Lung	(5)	(0)	(0)	(5)	(5)	(5)
Bronchus, Metaplasia, Squamous					4 [2.5]	
Bronchus, Necrosis						5 [3.0]
Inflammation, Acute					3 [1.7]	5 [2.2]
Inflammation, Granulomatous					1 [2.0]	
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Inflammation, Acute				5 [1.4]	5 [3.4]	5 [4.0]
Necrosis			2 [1.0]	5 [2.0]	5 [2.6]	5 [4.0]
Olfactory Epi, Regeneration		1 [1.0]	1 [1.0]	5 [2.2]	5 [2.0]	
Respirat Epith, Metaplasia, Squamous		5 [1.6]	5 [2.2]	5 [2.0]	5 [3.2]	
Turbinate, Atrophy		1 [1.0]	2 [1.0]	5 [2.0]	5 [3.8]	
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

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

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

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<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Moribund Sacrifice					2	1
Natural Death					1	4
Survivors						
Terminal Sacrifice	5	5	5	5	2	
Animals Examined Microscopically	5	5	5	5	5	5
<b>ALIMENTARY SYSTEM</b>						
Liver	(5)	(0)	(1)	(0)	(1)	(5)
Hepatodiaphragmatic Nodule			1			
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(0)	(0)	(0)	(0)	(0)	(1)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Ovary	(5)	(0)	(0)	(5)	(5)	(5)
Atrophy					4 [2.0]	5 [2.0]
Uterus	(5)	(0)	(0)	(0)	(0)	(5)
<b>HEMATOPOIETIC SYSTEM</b>						
None						
<b>INTEGUMENTARY SYSTEM</b>						
None						

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F344/N Tac Rat FEMALE	Control	62.5 PPM	125 PPM	250 PPM	500 PPM	1000 PPM
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
Brain	(0)	(0)	(0)	(0)	(1)	(0)
Inflammation, Suppurative					1 [4.0]	
<b>RESPIRATORY SYSTEM</b>						
Larynx	(5)	(0)	(5)	(5)	(5)	(5)
Inflammation, Acute					4 [2.0]	5 [4.0]
Necrosis					2 [1.5]	5 [4.0]
Respirat Epith, Metaplasia, Squamous				1 [1.0]	5 [4.0]	
Lung	(5)	(0)	(0)	(5)	(5)	(5)
Bronchus, Metaplasia, Squamous					5 [2.6]	
Bronchus, Necrosis					3 [1.3]	5 [2.4]
Inflammation, Acute					5 [2.2]	5 [2.6]
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Inflammation, Acute				5 [1.4]	5 [3.2]	5 [4.0]
Necrosis			1 [1.0]	5 [1.8]	5 [2.6]	5 [4.0]
Olfactory Epi, Regeneration				5 [2.0]	5 [2.2]	
Respirat Epith, Metaplasia, Squamous		5 [1.4]	5 [2.0]	5 [2.0]	5 [2.8]	
Turbinate, Atrophy			1 [1.0]	5 [2.6]	5 [3.8]	
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

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

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)