

Experiment Number: 90004-05
Test Type: 90-DAY
Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**
Test Compound: Propylene glycol mono-t-butyl ether
CAS Number: 57018-52-7

Date Report Requested: 10/22/2014
Time Report Requested: 15:01:00
First Dose M/F: NA / NA
Lab: BNW

C Number: C90004
Lock Date: 08/25/1997
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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F 344/N Rat MALE	CONTROL	75 PPM	150 PPM	300 PPM	600 PPM	1200 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(1)	(0)	(0)	(1)	(10)
Hepatodiaphragmatic Nodule	1					
Mesentery	(0)	(0)	(0)	(1)	(0)	(0)
Fat, Necrosis				1 [2.0]		
Oral Mucosa	(1)	(0)	(0)	(0)	(0)	(0)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	3 [1.0]					3 [1.3]
ENDOCRINE SYSTEM						

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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F 344/N Rat MALE	CONTROL	75 PPM	150 PPM	300 PPM	600 PPM	1200 PPM
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(7)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(1)	(0)	(0)	(0)	(10)
Cyst		1 [3.0]				
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Bronchial	(10)	(0)	(0)	(0)	(0)	(9)
Lymph Node, Mandibular	(9)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mediastinal	(7)	(0)	(0)	(0)	(0)	(7)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Granulomatous, Focal	3 [1.0]					2 [1.0]
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(5)	(0)	(0)	(0)	(0)	(7)
Skin	(10)	(0)	(1)	(0)	(0)	(10)

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Lab: BNW

F 344/N Rat MALE	CONTROL	75 PPM	150 PPM	300 PPM	600 PPM	1200 PPM
Inflammation, Suppurative			1 [2.0]			
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(0)	(0)	(0)	(0)	(10)
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic, Focal	3 [1.0]					5 [1.2]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epi, Degeneration, Hyaline					4 [1.0]	8 [1.0]
Respirat Epith, Hyperplasia						1 [2.0]
Respirat Epith, Metaplasia, Squamous						1 [1.0]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Medulla, Casts Granular			8 [1.0]	7 [1.1]	6 [1.0]	4 [1.0]
Renal Tubule, Accumulation, Hyaline Droplet	10 [1.2]	10 [1.0]	10 [2.0]	10 [2.0]	10 [2.0]	10 [2.4]
Renal Tubule, Regeneration	6 [1.0]	9 [1.0]	10 [1.0]	10 [1.3]	10 [1.5]	10 [1.6]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

END OF MALE DATA

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Disposition Summary						
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Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(1)	(2)	(1)	(10)
Congestion	1 [2.0]					
Inflammation, Granulomatous, Focal	3 [1.3]					
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(1)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	1 [1.0]					2 [1.0]
Hemorrhage	2 [1.0]					2 [1.0]
ENDOCRINE SYSTEM						

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Adrenal Medulla	(9)	(0)	(0)	(0)	(0)	(9)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(9)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(1)	(0)	(0)	(10)
Cyst	1 [1.0]		1 [2.0]			
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Bronchial	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(8)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mediastinal	(8)	(0)	(0)	(0)	(0)	(6)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Granulomatous, Focal	9 [1.3]					5 [1.0]
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)

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F 344/N Rat FEMALE	CONTROL	75 PPM	150 PPM	300 PPM	600 PPM	1200 PPM
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(0)	(0)	(0)	(0)	(10)
Lung	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation, Chronic, Focal	3 [1.0]					3 [1.0]
Serosa, Fibrosis					1 [1.0]	
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epi, Degeneration, Hyaline				1 [1.0]	7 [1.0]	10 [1.9]
Respirat Epith, Hyperplasia			1 [2.0]			
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(1)	(0)
Mineralization					1 [1.0]	
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Renal Tubule, Regeneration	1 [1.0]			2 [1.0]	3 [1.0]	1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

**** END OF REPORT ****

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