

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	20	19	26	30
Natural Death	2	8	9	4
Survivors				
Moribund Sacrifice	1			
Terminal Sacrifice	26	23	15	16
Animals Examined Microscopically	49	50	50	50
ALIMENTARY SYSTEM				
Intestine Large, Colon	(47)	(46)	(45)	(49)
Artery, Inflammation, Chronic Active	1 [2.0]			
Intestine Large, Rectum	(47)	(47)	(46)	(50)
Edema	1 [3.0]			
Inflammation, Suppurative	1 [1.0]			
Intestine Small, Jejunum	(46)	(45)	(45)	(48)
Liver	(49)	(50)	(50)	(50)
Angiectasis	1 [1.0]	3 [2.3]		
Basophilic Focus	7	18	15	4
Clear Cell Focus	10	13	9	4
Degeneration, Cystic	3 [1.7]	1 [2.0]	1 [2.0]	2 [2.0]
Eosinophilic Focus	2	4	2	5
Hematopoietic Cell Proliferation	1 [1.0]	1 [2.0]	1 [2.0]	
Hemorrhage			1 [3.0]	
Hepatodiaphragmatic Nodule		5 [4.0]	2 [4.0]	1 [4.0]
Inflammation, Granulomatous			1 [2.0]	
Inflammation, Chronic Active	1 [2.0]		1 [2.0]	
Mixed Cell Focus	2	4	5	3
Necrosis	1 [1.0]	2 [2.0]	2 [3.0]	2 [2.5]
Vacuolization Cytoplasmic	7 [2.9]	5 [2.6]	3 [2.7]	3 [3.3]
Centrilobular, Degeneration	1 [2.0]			1 [3.0]
Hepatocyte, Regeneration				2 [3.5]
Mesentery	(11)	(14)	(7)	(3)
Necrosis	10 [2.9]	14 [3.0]	7 [3.0]	2 [3.0]
Thrombosis				1 [4.0]

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

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FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
Artery, Inflammation, Chronic Active	1 [3.0]			
Oral Mucosa	(0)	(1)	(1)	(0)
Pancreas	(49)	(50)	(50)	(50)
Acinus, Atrophy	24 [2.0]	21 [1.9]	22 [2.1]	26 [1.9]
Acinus, Hyperplasia	3 [3.3]	1 [2.0]	1 [2.0]	1 [2.0]
Duct, Necrosis			1 [3.0]	
Salivary Glands	(49)	(50)	(50)	(50)
Stomach, Forestomach	(49)	(50)	(50)	(50)
Edema	1 [3.0]			
Erosion		1 [3.0]		1 [1.0]
Hyperplasia, Squamous		3 [2.0]	3 [2.0]	
Inflammation, Chronic			1 [2.0]	
Ulcer	4 [3.0]	3 [2.0]	3 [1.7]	2 [3.5]
Stomach, Glandular	(49)	(50)	(50)	(50)
Erosion	4 [2.0]	2 [2.0]	5 [2.0]	3 [2.3]
Ulcer	5 [2.6]		1 [3.0]	4 [2.5]
Tongue	(1)	(0)	(2)	(1)
CARDIOVASCULAR SYSTEM				
Heart	(49)	(50)	(50)	(50)
Cardiomyopathy	44 [1.7]	44 [2.1]	44 [2.2]	43 [2.1]
Atrium, Thrombosis	3 [3.7]	6 [3.2]	8 [3.0]	5 [3.8]
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(50)	(50)
Degeneration, Cystic	1 [4.0]			
Hematopoietic Cell Proliferation	1 [1.0]			
Hyperplasia	19 [1.8]	23 [2.1]	27 [2.1]	28 [1.9]
Hypertrophy	1 [2.0]			
Thrombosis			1 [2.0]	
Vacuolization Cytoplasmic	11 [2.1]	8 [1.8]	9 [2.0]	7 [1.4]
Subcapsular, Hyperplasia	1 [1.0]			
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia	15 [2.1]	19 [2.2]	21 [1.8]	18 [2.1]
Infiltration Cellular, Lymphocyte	1 [1.0]			
Islets, Pancreatic	(49)	(50)	(50)	(50)
Hyperplasia	1 [3.0]	5 [2.2]	1 [2.0]	1 [2.0]

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FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
Parathyroid Gland	(47)	(44)	(49)	(50)
Hyperplasia		2 [1.5]		
Pituitary Gland	(49)	(50)	(50)	(50)
Hemorrhage		1 [2.0]	3 [4.0]	
Pars Distalis, Hyperplasia	8 [2.6]	6 [2.3]	6 [1.7]	13 [2.3]
Pars Intermedia, Cyst				1
Thyroid Gland	(49)	(50)	(50)	(50)
Cyst		1		
C-cell, Hyperplasia	8 [2.6]	6 [2.3]	15 [2.1]	12 [2.2]
Follicular Cell, Hyperplasia		1 [3.0]		1 [2.0]
GENERAL BODY SYSTEM				
Peritoneum	(1)	(0)	(0)	(0)
Tissue NOS	(1)	(0)	(0)	(0)
GENITAL SYSTEM				
Coagulating Gland	(0)	(0)	(1)	(0)
Inflammation, Suppurative			1 [3.0]	
Epididymis	(49)	(50)	(50)	(50)
Penis	(0)	(0)	(0)	(1)
Inflammation, Suppurative				1 [2.0]
Preputial Gland	(49)	(49)	(50)	(49)
Cyst			1	
Hyperplasia				2 [3.0]
Inflammation, Chronic Active	18 [1.3]	12 [2.0]	11 [1.4]	12 [1.8]
Necrosis				1 [3.0]
Prostate	(49)	(50)	(50)	(50)
Hyperplasia	9 [2.0]	2 [2.0]	10 [2.0]	8 [2.0]
Inflammation, Suppurative	31 [1.9]	41 [1.8]	36 [2.0]	34 [1.8]
Inflammation, Chronic Active	4 [2.8]		1 [4.0]	2 [3.0]
Seminal Vesicle	(49)	(50)	(50)	(50)
Hyperplasia	1 [3.0]			
Testes	(49)	(50)	(50)	(50)
Germinal Epithelium, Atrophy	6 [3.8]	3 [3.3]	3 [3.3]	4 [3.5]
Interstitial Cell, Hyperplasia	4 [2.0]	4 [1.8]	7 [1.7]	5 [1.6]

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FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
HEMATOPOIETIC SYSTEM				
Bone Marrow	(49)	(50)	(50)	(50)
Myelofibrosis		1 [2.0]		
Erythroid Cell, Hyperplasia		1 [3.0]	2 [3.5]	1 [4.0]
Lymph Node	(5)	(3)	(7)	(8)
Deep Cervical, Hemorrhage	1 [2.0]	1 [3.0]	1 [3.0]	
Deep Cervical, Hyperplasia, Lymphoid	1 [3.0]			
Pancreatic, Angiectasis	2 [3.5]			2 [3.0]
Pancreatic, Infiltration Cellular, Histiocyte			1 [2.0]	
Lymph Node, Bronchial	(6)	(4)	(8)	(7)
Angiectasis	1 [3.0]		2 [3.0]	
Hemorrhage			1 [3.0]	
Hyperplasia, Lymphoid	1 [3.0]	2 [2.5]	1 [2.0]	
Lymph Node, Mandibular	(0)	(1)	(1)	(0)
Hyperplasia, Lymphoid		1 [2.0]		
Lymph Node, Mediastinal	(24)	(24)	(24)	(26)
Angiectasis		1 [3.0]		
Hemorrhage		1 [3.0]		
Hyperplasia, Lymphoid	3 [3.0]	1 [2.0]	3 [3.0]	2 [3.5]
Infiltration Cellular, Histiocyte	1 [3.0]			
Inflammation, Chronic Active		1 [3.0]		
Lymph Node, Mesenteric	(49)	(50)	(50)	(49)
Angiectasis	1 [1.0]			
Ectasia	1 [3.0]			
Hemorrhage	1 [3.0]			
Hyperplasia, Lymphoid	1 [3.0]		2 [4.0]	
Infiltration Cellular, Histiocyte	9 [2.1]	5 [2.0]	5 [2.6]	3 [2.3]
Spleen	(49)	(50)	(49)	(49)
Angiectasis			1 [4.0]	
Hematopoietic Cell Proliferation	8 [3.0]	10 [2.1]	5 [3.0]	8 [2.9]
Hemorrhage			1 [3.0]	
Hemorrhage, Chronic	1 [2.0]	3 [3.3]	2 [4.0]	
Hyperplasia, Lymphoid, Focal	1 [4.0]			
Hyperplasia, Lymphoid			2 [3.0]	
Infarct			1	
Thymus	(47)	(43)	(46)	(45)
Cyst				1

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FISCHER 344 RATS MALE	CONTROL	16 PPM	32 PPM	64 PPM
INTEGUMENTARY SYSTEM				
Mammary Gland	(30)	(29)	(28)	(34)
Galactocele		1 [4.0]	1 [4.0]	3 [4.0]
Inflammation, Suppurative	1 [1.0]			
Skin	(49)	(50)	(50)	(50)
Cyst Epithelial Inclusion	2 [3.5]		3 [4.0]	
Ulcer	5 [2.8]	1 [4.0]	2 [3.0]	1 [3.0]
Subcutaneous Tissue, Fibrosis	1 [4.0]			
Subcutaneous Tissue, Inflammation	1 [4.0]			
MUSCULOSKELETAL SYSTEM				
Bone	(49)	(50)	(50)	(50)
Hyperostosis		1 [3.0]	1 [3.0]	
NERVOUS SYSTEM				
Brain	(49)	(50)	(50)	(50)
Compression	10 [3.1]	9 [2.4]	18 [2.7]	9 [2.9]
Hemorrhage		1 [2.0]	3 [2.3]	2 [2.5]
Necrosis	1 [3.0]	1 [2.0]	1 [2.0]	2 [3.0]
Thrombosis				1 [2.0]
RESPIRATORY SYSTEM				
Larynx	(48)	(50)	(50)	(50)
Foreign Body	2	3	1	
Inflammation, Chronic Active	3 [2.0]			
Metaplasia, Squamous	1 [1.0]		1 [3.0]	
Lung	(49)	(50)	(50)	(50)
Foreign Body	1			
Hemorrhage		1 [2.0]	3 [2.3]	2 [3.5]
Inflammation		1 [2.0]		2 [2.5]
Thrombosis			1 [2.0]	1 [3.0]
Alveolar Epithelium, Hyperplasia	8 [2.4]	12 [2.5]	11 [2.1]	7 [2.1]
Alveolar Epithelium, Metaplasia, Squamous	2 [1.0]	1 [2.0]		1 [4.0]

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Alveolus, Infiltration Cellular, Histiocyte	4 [1.8]	1 [2.0]		1 [2.0]
Nose	(49)	(49)	(50)	(49)
Foreign Body	7	8	6	8
Hemorrhage				1 [2.0]
Inflammation, Suppurative	1 [1.0]	1 [2.0]		
Inflammation, Chronic Active	9 [2.1]	12 [1.8]	22 [2.0]	28 [1.9]
Glands, Olfactory Epithelium, Hyperplasia				4 [1.8]
Glands, Respiratory Epithelium, Hyperplasia	3 [1.3]	14 [1.3]	39 [1.6]	45 [1.9]
Olfactory Epithelium, Accumulation, Hyaline Droplet		5 [1.0]	4 [1.3]	7 [1.6]
Olfactory Epithelium, Atrophy	1 [3.0]	21 [2.6]	26 [2.9]	26 [2.5]
Olfactory Epithelium, Degeneration			1 [1.0]	7 [1.3]
Olfactory Epithelium, Hyperplasia		1 [1.0]	3 [2.0]	5 [1.2]
Olfactory Epithelium, Hyperplasia, Basal Cell		19 [1.0]	42 [1.4]	42 [1.7]
Olfactory Epithelium, Metaplasia, Respiratory	1 [2.0]	10 [1.8]	18 [1.9]	29 [2.0]
Olfactory Epithelium, Necrosis			2 [2.0]	6 [1.3]
Respiratory Epithelium, Hyperplasia	5 [2.2]	21 [1.6]	44 [1.9]	42 [2.5]
Respiratory Epithelium, Metaplasia, Squamous	2 [2.5]	2 [1.5]	2 [1.5]	4 [1.5]
Pleura	(0)	(1)	(0)	(0)
SPECIAL SENSES SYSTEM				
Ear	(1)	(0)	(0)	(0)
Eye	(49)	(50)	(50)	(50)
Inflammation, Chronic Active			1 [1.0]	
Cornea, Mineralization	1 [1.0]			
Lens, Cataract	1 [3.0]	3 [3.0]	2 [2.5]	
Zymbal's Gland	(0)	(1)	(0)	(0)
URINARY SYSTEM				
Kidney	(49)	(50)	(50)	(50)
Cyst	1	2	3	2
Infarct	1	1	2	

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Inflammation, Suppurative	1 [4.0]	2 [2.5]	2 [2.0]	1 [3.0]
Nephropathy, Chronic	42 [2.2]	47 [2.3]	48 [2.4]	48 [2.4]
Transitional Epithelium, Infarct			1	
Urinary Bladder	(49)	(50)	(50)	(50)
Edema				1 [2.0]
Inflammation, Chronic	1 [2.0]		1 [1.0]	
Transitional Epithelium, Hyperplasia	1 [1.0]			

*** END OF MALE ***

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FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	18	16	19	19
Natural Death	3	3	4	5
Survivors				
Natural Death		1		
Terminal Sacrifice	29	30	27	26
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Esophagus	(50)	(50)	(50)	(50)
Intestine Large, Cecum	(48)	(48)	(47)	(46)
Ulcer		1 [3.0]		
Serosa, Inflammation	1 [3.0]			
Intestine Large, Colon	(48)	(48)	(47)	(47)
Serosa, Inflammation	1 [3.0]			
Intestine Small, Duodenum	(49)	(50)	(48)	(47)
Serosa, Inflammation	1 [3.0]			
Intestine Small, Ileum	(48)	(48)	(46)	(46)
Intestine Small, Jejunum	(48)	(48)	(47)	(46)
Liver	(50)	(50)	(50)	(50)
Angiectasis		4 [2.5]	1 [1.0]	1 [3.0]
Basophilic Focus	37	36	40	31
Clear Cell Focus	6	6	7	7
Eosinophilic Focus		2	3	3
Fibrosis	1 [2.0]			
Hepatodiaphragmatic Nodule	3 [4.0]	2 [3.5]	5 [3.6]	2 [4.0]
Inflammation, Granulomatous	1 [3.0]			
Inflammation, Chronic Active	1 [2.0]		2 [2.0]	1 [2.0]
Mixed Cell Focus	5	4	4	12
Necrosis		1 [3.0]		2 [2.0]
Vacuolization Cytoplasmic	8 [2.0]	3 [2.3]	3 [2.3]	4 [2.3]
Centrilobular, Necrosis	1 [3.0]			1 [2.0]
Oval Cell, Hyperplasia				1 [1.0]
Mesentery	(13)	(12)	(10)	(9)

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Necrosis	13 [2.9]	12 [2.9]	10 [2.9]	9 [3.0]
Oral Mucosa	(1)	(0)	(2)	(1)
Foreign Body	1		1	
Ulcer			1 [3.0]	
Pancreas	(50)	(50)	(50)	(50)
Inflammation	1 [4.0]			
Acinus, Atrophy	6 [1.8]	9 [1.6]	11 [1.8]	14 [1.5]
Acinus, Inflammation, Chronic				1 [1.0]
Salivary Glands	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Necrosis				1 [2.0]
Ulcer	3 [2.7]	5 [2.8]	1 [3.0]	2 [2.5]
Epithelium, Hyperplasia	1 [3.0]	1 [3.0]		1 [2.0]
Serosa, Inflammation	1 [2.0]			
Stomach, Glandular	(49)	(50)	(50)	(48)
Erosion	3 [2.0]	1 [2.0]	1 [2.0]	3 [1.7]
Ulcer	1 [2.0]		1 [1.0]	1 [1.0]
Serosa, Inflammation	1 [2.0]			
Tongue	(0)	(0)	(2)	(1)
Inflammation, Granulomatous, Chronic				1 [3.0]
Active				
Epithelium, Hyperplasia			1 [2.0]	
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	43 [2.0]	45 [2.1]	42 [2.0]	42 [2.1]
Atrium, Thrombosis	2 [3.0]		2 [3.5]	4 [3.5]
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Angiectasis	3 [2.7]			
Degeneration, Cystic			1 [2.0]	2 [2.5]
Hemorrhage				1 [2.0]
Hyperplasia	28 [2.3]	23 [2.2]	22 [2.0]	21 [2.2]
Necrosis	1 [4.0]	1 [3.0]		
Vacuolization Cytoplasmic	3 [2.0]	3 [2.3]	1 [3.0]	4 [2.3]
Adrenal Medulla	(50)	(50)	(50)	(50)

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FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Hyperplasia	5 [2.0]	7 [1.7]	3 [1.3]	2 [1.5]
Necrosis	1 [2.0]			
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	1 [2.0]	4 [2.0]	4 [2.5]	
Parathyroid Gland	(49)	(47)	(50)	(47)
Pituitary Gland	(50)	(50)	(50)	(50)
Hemorrhage	1 [4.0]	5 [3.4]	2 [2.0]	3 [2.3]
Pars Distalis, Cyst	4	2	3	
Pars Distalis, Hyperplasia	11 [2.5]	5 [2.2]	6 [2.0]	9 [2.6]
Thyroid Gland	(50)	(50)	(50)	(50)
C-cell, Hyperplasia	21 [2.1]	16 [2.3]	18 [1.9]	18 [2.4]
GENERAL BODY SYSTEM				
Tissue NOS	(1)	(0)	(1)	(0)
Fat, Inflammation, Chronic	1 [2.0]			
GENITAL SYSTEM				
Clitoral Gland	(50)	(49)	(49)	(47)
Cyst	1		1	
Hyperplasia	4 [2.3]	4 [2.3]	4 [2.0]	5 [2.4]
Inflammation, Suppurative			1 [2.0]	1 [2.0]
Inflammation, Chronic Active	8 [1.4]	4 [1.3]	9 [1.7]	5 [1.6]
Ovary	(50)	(50)	(50)	(50)
Cyst	6	5	6	8
Inflammation	1 [4.0]			
Interstitial Cell, Hyperplasia	5 [2.8]	8 [2.8]	3 [2.7]	6 [2.8]
Uterus	(50)	(50)	(50)	(50)
Angiectasis			1 [3.0]	
Cyst			1	
Decidual Reaction			1 [4.0]	
Dilatation			1 [4.0]	
Fibrosis	1 [3.0]	1 [2.0]		1 [2.0]
Hemorrhage	1 [4.0]	2 [4.0]	3 [3.7]	1 [4.0]
Inflammation, Chronic Active				1 [2.0]
Endometrium, Hyperplasia, Cystic	3 [2.0]	3 [1.3]	8 [1.5]	5 [1.6]

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)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Erythroid Cell, Hyperplasia	1 [3.0]	3 [3.0]	4 [3.0]	1 [3.0]
Lymph Node	(4)	(0)	(3)	(3)
Deep Cervical, Angiectasis				1 [3.0]
Pancreatic, Angiectasis			1 [2.0]	
Lymph Node, Bronchial	(4)	(2)	(4)	(10)
Angiectasis			1 [2.0]	1 [3.0]
Hyperplasia, Lymphoid				2 [2.0]
Lymph Node, Mediastinal	(29)	(27)	(30)	(25)
Angiectasis			1 [4.0]	
Hyperplasia, Lymphoid			1 [3.0]	
Infiltration Cellular, Histiocyte	1 [2.0]	1 [3.0]		
Lymph Node, Mesenteric	(49)	(50)	(49)	(50)
Angiectasis	1 [1.0]	1 [3.0]		1 [2.0]
Hemorrhage		1 [2.0]		
Hyperplasia, Lymphoid	2 [2.0]			
Infiltration Cellular, Histiocyte	9 [2.0]	9 [2.1]	3 [2.0]	4 [2.0]
Spleen	(50)	(50)	(50)	(49)
Accessory Spleen	1			
Hematopoietic Cell Proliferation	21 [2.3]	26 [2.4]	22 [2.3]	17 [2.1]
Hemorrhage, Chronic	1 [4.0]			1 [4.0]
Capsule, Fibrosis		1 [1.0]		1 [2.0]
Thymus	(46)	(45)	(47)	(48)
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(50)	(50)
Galactocele	2 [4.0]	1 [4.0]	2 [3.5]	1 [2.0]
Hyperplasia	1 [2.0]			
Inflammation, Chronic Active	1 [4.0]			
Epithelium, Hyperplasia			1 [2.0]	1 [2.0]
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion	1 [2.0]			1 [3.0]
Inflammation, Granulomatous				1 [2.0]
Ulcer	1 [4.0]	1 [2.0]	1 [3.0]	
Subcutaneous Tissue, Hemorrhage				1 [4.0]
Subcutaneous Tissue, Inflammation	1 [2.0]			

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)

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Hyperostosis		1 [3.0]		
Nasal, Inflammation, Chronic Active				1 [2.0]
Skeletal Muscle	(2)	(0)	(1)	(0)
Fat, Necrosis	1 [3.0]			
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Compression	6 [2.7]	11 [2.8]	4 [2.8]	9 [3.0]
Hemorrhage	2 [2.0]			2 [2.0]
Inflammation, Suppurative				1 [2.0]
Inflammation, Chronic Active	1 [3.0]			
Necrosis				1 [2.0]
RESPIRATORY SYSTEM				
Larynx	(50)	(50)	(50)	(50)
Foreign Body	2	3	2	6
Inflammation, Chronic Active		1 [3.0]		3 [2.3]
Metaplasia, Squamous	1 [2.0]			2 [3.0]
Lung	(50)	(50)	(50)	(50)
Foreign Body				1
Hemorrhage			1 [2.0]	
Inflammation	1 [2.0]			
Inflammation, Suppurative				1 [4.0]
Alveolar Epithelium, Hyperplasia	7 [1.7]	12 [2.2]	13 [1.8]	5 [1.6]
Alveolar Epithelium, Metaplasia, Squamous			1 [2.0]	
Alveolus, Infiltration Cellular, Histiocyte	3 [2.0]	3 [2.3]	1 [2.0]	2 [2.0]
Nose	(49)	(49)	(50)	(50)
Foreign Body	1	4	4	6
Inflammation, Suppurative			1 [1.0]	
Inflammation, Chronic Active	7 [1.6]	9 [1.7]	11 [1.4]	18 [1.6]
Epithelium, Nasolacrimal Duct,	1 [2.0]			

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

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Hyperplasia Glands, Olfactory Epithelium,		6 [1.2]	1 [1.0]	2 [1.0]
Hyperplasia Glands, Respiratory Epithelium,	2 [1.5]	33 [1.2]	44 [1.5]	47 [1.5]
Nasolacrimal Duct, Inflammation, Chronic Active	3 [2.0]	1 [2.0]		
Olfactory Epithelium, Accumulation, Hyaline Droplet	6 [1.5]	5 [1.4]	6 [1.5]	15 [1.4]
Olfactory Epithelium, Atrophy	3 [2.3]		28 [2.8]	37 [2.9]
Olfactory Epithelium, Degeneration			1 [2.0]	4 [2.0]
Olfactory Epithelium, Hyperplasia				1 [3.0]
Olfactory Epithelium, Hyperplasia, Basal Cell		28 [1.0]	42 [1.6]	48 [1.9]
Olfactory Epithelium, Metaplasia, Respiratory	3 [1.7]	2 [2.0]	7 [1.4]	17 [1.8]
Olfactory Epithelium, Metaplasia, Squamous				1 [2.0]
Olfactory Epithelium, Necrosis			2 [2.0]	5 [1.6]
Respiratory Epithelium, Hyperplasia	2 [2.0]	23 [1.5]	25 [1.7]	36 [1.8]
Respiratory Epithelium, Metaplasia, Squamous		1 [2.0]		4 [1.0]
SPECIAL SENSES SYSTEM				
Eye	(49)	(50)	(50)	(50)
Inflammation, Suppurative	1 [1.0]			
Lens, Cataract	4 [2.8]	5 [3.0]	8 [3.0]	3 [2.3]
Zymbal's Gland	(0)	(0)	(2)	(1)
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(49)
Infarct	1	1		1
Inflammation, Suppurative				1 [2.0]
Nephropathy, Chronic	40 [1.8]	46 [1.9]	41 [1.7]	44 [1.7]
Bilateral, Hydronephrosis			1 [2.0]	
Pelvis, Transitional Epithelium, Hyperplasia			1 [2.0]	

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TDMS No. 97008 - 05

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

Date Report Requested: 08/09/2006

Test Type: CHRONIC

PROPARGYL ALCOHOL

Time Report Requested: 14:01:40

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 107-19-7

First Dose M/F: 10/01/01 / 10/01/01

Species/Strain: RATS/F 344

Pathologist: HARBO, S. - LIEUALLEN, W.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	16 PPM	32 PPM	64 PPM
Urinary Bladder	(49)	(50)	(50)	(49)

*** 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)