

NTP Experiment-Test: 98004-01
Study Type: SUBCHRON 90-DAY
Route: GAVAGE

INCIDENCE RATES OF NONNEOPLASTIC LESIONS BY ANATOMIC SITE (a)
WITH AVERAGE SEVERITY GRADES[b]
HEXACHLOROBENZENE

Report: PEIRPT18
Date: 10/23/02
Time: 10:20:43

Final#1/Rats

Facility: Battelle Columbus Laboratory

Chemical CAS #: 118-74-1

Lock Date: 01/17/02

Cage Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: Include All

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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SPRAGUE-DAWLEY RATS FEMALE	0 MG/KG	0.03 MG/KG	0.1 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
DISPOSITION SUMMARY						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice		1				
Survivors						
Terminal Sacrifice	10	9	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Clear Cell Focus		1	1			1
Hematopoietic Cell Proliferation				1 [3.0]		1 [1.0]
Hepatodiaphragmatic Nodule	1			1		1
Infiltration Cellular, Mixed Cell	8 [1.5]	6 [1.0]	5 [1.0]	9 [1.0]	6 [1.2]	9 [1.8]
Oral Mucosa	(3)					
Gingival, Inflammation	3 [1.0]					
Pancreas	(10)	(1)				
Acinus, Atrophy	1 [1.0]					
Tongue	(10)	(1)				
Vein, Dysplasia	1 [1.0]					
Tooth	(10)	(10)	(10)	(10)	(10)	(10)
Incisor, Degeneration					5 [1.0]	10 [1.5]
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Thyroid Gland	(10)	(10)	(10)	(10)	(10)	(9)
Ultimobranchial Cyst	1	3	3	2		
GENERAL BODY SYSTEM						
None						

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GENITAL SYSTEM						
Ovary	(10)	(1)				
Corpus Luteum, Cyst	2 [1.0]					
Uterus	(10)	(1)				
Endometrium, Hyperplasia, Cystic	1 [3.0]					
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	3 [1.0]	4 [1.0]	4 [1.5]	3 [1.0]	4 [1.0]	6 [1.3]
Pigmentation, Hemosiderin	10 [1.0]	8 [1.0]	10 [1.1]	10 [1.1]	10 [1.0]	10 [1.0]
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy		1 [4.0]				
Cyst	1					
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia	2 [1.0]	2 [2.0]	1 [1.0]		2 [1.0]	2 [1.0]
Skin	(10)	(10)	(9)	(10)	(10)	(9)
Hair Follicle, Inflammation, Chronic Active, Focal						1 [1.0]
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic	3 [1.0]	1 [1.0]	1 [1.0]	2 [1.0]	7 [1.3]	8 [1.6]
Alveolar Epithelium, Hyperplasia					2 [1.0]	
Alveolus, Inflammation, Suppurative						1 [1.0]
Bronchiole, Hyperplasia					2 [1.0]	

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RESPIRATORY SYSTEM - CONT						
Perivascular, Infiltration Cellular, Polymorphonuclear	1 [1.0]					

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(10)	(1)				
Nephropathy	7 [1.0]	1 [1.0]				
Cortex, Mineralization		1 [2.0]				
Papilla, Mineralization	4 [1.0]	1 [1.0]				
Renal Tubule, Accumulation, Hyaline Droplet	1 [1.0]					

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SPRAGUE-DAWLEY RATS FEMALE	10.0 MG/KG	25.0 MG/KG
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DISPOSITION SUMMARY

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

ALIMENTARY SYSTEM

Liver	(10)	(10)
Hematopoietic Cell Proliferation	1 [1.0]	
Infiltration Cellular, Mixed Cell	10 [1.8]	10 [2.0]
Vacuolization Cytoplasmic, Focal		2 [1.0]
Hepatocyte, Hypertrophy	9 [1.1]	10 [1.3]
Tooth	(10)	(10)
Incisor, Degeneration	10 [2.1]	10 [2.9]

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

Thyroid Gland	(10)	(10)
Ultimobranchial Cyst	2	3

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Ovary		(10)
Corpus Luteum, Cyst		1
Uterus		(10)
Endometrium, Hyperplasia, Cystic		2 [1.5]

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HEMATOPOIETIC SYSTEM		
Spleen	(10)	(10)
Hematopoietic Cell Proliferation	5 [1.6]	6 [1.8]
Hyperplasia, Lymphoid	6 [1.0]	8 [1.0]
Pigmentation, Hemosiderin	8 [1.0]	9 [1.0]
Thymus	(10)	(10)
Atrophy		3 [1.0]
Cyst		1

INTEGUMENTARY SYSTEM		
Mammary Gland	(10)	(10)
Hyperplasia	3 [1.3]	10 [1.2]
Skin	(10)	(10)
Inflammation, Suppurative		9 [2.4]
Ulcer		7 [1.6]
Dermis, Infiltration Cellular, Mononuclear Cell	1 [1.0]	

MUSCULOSKELETAL SYSTEM		
None		

NERVOUS SYSTEM		
None		

RESPIRATORY SYSTEM		
Lung	(10)	(10)
Inflammation, Chronic	10 [1.7]	10 [1.9]
Bronchiole, Hyperplasia	2 [1.0]	
Interstitialium, Fibrosis, Focal		1 [1.0]
Trachea	(1)	
Degeneration	1 [2.0]	

SPECIAL SENSES SYSTEM		
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SPRAGUE-DAWLEY RATS FEMALE

10.0
MG/KG

25.0
MG/KG

None

URINARY SYSTEM

Kidney

(10)

Nephropathy

9 [1.0]

Papilla, Mineralization

4 [1.0]

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END OF REPORT
