

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

INCIDENCE RATES OF NONNEOPLASTIC LESIONS BY ANATOMIC SITE (a)
HEXACHLOROBENZENE

Report: PEIRPT03
Date: 10/23/02
Time: 10:18:30

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

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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 (10%)	1 (10%)			1 (10%)
Hematopoietic Cell Proliferation				1 (10%)		1 (10%)
Hepatodiaphragmatic Nodule	1 (10%)			1 (10%)		1 (10%)
Infiltration Cellular, Mixed Cell	8 (80%)	6 (60%)	5 (50%)	9 (90%)	6 (60%)	9 (90%)
Oral Mucosa	(3)					
Gingival, Inflammation	3 (100%)					
Pancreas	(10)	(1)				
Acinus, Atrophy	1 (10%)					
Tongue	(10)	(1)				
Vein, Dysplasia	1 (10%)					
Tooth	(10)	(10)	(10)	(10)	(10)	(10)
Incisor, Degeneration					5 (50%)	10 (100%)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Thyroid Gland	(10)	(10)	(10)	(10)	(10)	(9)
Ultimobranchial Cyst	1 (10%)	3 (30%)	3 (30%)	2 (20%)		
GENERAL BODY SYSTEM						
None						

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GENITAL SYSTEM						
Ovary	(10)	(1)				
Corpus Luteum, Cyst	2 (20%)					
Uterus	(10)	(1)				
Endometrium, Hyperplasia, Cystic	1 (10%)					
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	3 (30%)	4 (40%)	4 (40%)	3 (30%)	4 (40%)	6 (60%)
Pigmentation, Hemosiderin	10 (100%)	8 (80%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy		1 (10%)				
Cyst	1 (10%)					
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia	2 (20%)	2 (20%)	1 (10%)		2 (20%)	2 (20%)
Skin	(10)	(10)	(9)	(10)	(10)	(9)
Hair Follicle, Inflammation, Chronic Active, Focal						1 (11%)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic	3 (30%)	1 (10%)	1 (10%)	2 (20%)	7 (70%)	8 (80%)
Alveolar Epithelium, Hyperplasia					2 (20%)	
Alveolus, Inflammation, Suppurative						1 (10%)
Bronchiole, Hyperplasia					2 (20%)	

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RESPIRATORY SYSTEM - CONT						
Perivascular, Infiltration Cellular, Polymorphonuclear	1 (10%)					

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(10)	(1)				
Nephropathy	7 (70%)	1 (100%)				
Cortex, Mineralization		1 (100%)				
Papilla, Mineralization	4 (40%)	1 (100%)				
Renal Tubule, Accumulation, Hyaline Droplet	1 (10%)					

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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 (10%)	
Infiltration Cellular, Mixed Cell	10 (100%)	10 (100%)
Vacuolization Cytoplasmic, Focal		2 (20%)
Hepatocyte, Hypertrophy	9 (90%)	10 (100%)
Tooth	(10)	(10)
Incisor, Degeneration	10 (100%)	10 (100%)

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

Thyroid Gland	(10)	(10)
Ultimobranchial Cyst	2 (20%)	3 (30%)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Ovary		(10)
Corpus Luteum, Cyst		1 (10%)
Uterus		(10)
Endometrium, Hyperplasia, Cystic		2 (20%)

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SPRAGUE-DAWLEY RATS FEMALE	10.0 MG/KG	25.0 MG/KG
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HEMATOPOIETIC SYSTEM		
Spleen	(10)	(10)
Hematopoietic Cell Proliferation	5 (50%)	6 (60%)
Hyperplasia, Lymphoid	6 (60%)	8 (80%)
Pigmentation, Hemosiderin	8 (80%)	9 (90%)
Thymus	(10)	(10)
Atrophy		3 (30%)
Cyst		1 (10%)

INTEGUMENTARY SYSTEM		
Mammary Gland	(10)	(10)
Hyperplasia	3 (30%)	10 (100%)
Skin	(10)	(10)
Inflammation, Suppurative		9 (90%)
Ulcer		7 (70%)
Dermis, Infiltration Cellular, Mononuclear Cell	1 (10%)	

MUSCULOSKELETAL SYSTEM		
None		

NERVOUS SYSTEM		
None		

RESPIRATORY SYSTEM		
Lung	(10)	(10)
Inflammation, Chronic	10 (100%)	10 (100%)
Bronchiole, Hyperplasia	2 (20%)	
Interstitialium, Fibrosis, Focal		1 (10%)
Trachea	(1)	
Degeneration	1 (100%)	

SPECIAL SENSES SYSTEM		
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MG/KG

25.0
MG/KG

None

URINARY SYSTEM

Kidney

(10)

Nephropathy

9 (90%)

Papilla, Mineralization

4 (40%)

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