

Experiment Number: 20712 - 01
Test Type: 90 DAY W/PN EXP
Route: DOSED FEED
Species/Strain: RATS/HSD

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)
tris(2-Chloroisopropyl)phosphate
CAS Number: 13674-84-5

Date Report Requested: 11/28/2012
Time Report Requested: 07:41:29
First Dose M/F: 09/13/09 / 09/14/09
Lab: BAT

F1_HSD

NTP Study Number: C20712
Lock Date: 04/12/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.0.0_003
PWG Approval Date: NONE

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Harlan Sprague Dawley RATS MALE	0 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
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Disposition Summary

Animals Initially In Study	10	10	10	10	10
Early Deaths					
Moribund Sacrifice					9
Natural Death					1
Survivors					
Terminal Sacrifice	10	10	10	10	
Animals Examined Microscopically	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(10)
Liver	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mixed Cell			1 (10%)		
Bile Duct, Hyperplasia				8 (80%)	
Hepatocyte, Vacuolization Cytoplasmic					1 (10%)
Pancreas	(10)	(0)	(0)	(10)	(10)
Acinus, Atrophy	1 (10%)				
Acinus, Depletion Secretory					1 (10%)
Salivary Glands	(10)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)
Hemorrhage					1 (10%)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(10)	(10)
Heart	(10)	(0)	(0)	(10)	(10)

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

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Cardiomyopathy	4 (40%)			4 (40%)	

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(10)	(10)
Hypertrophy	1 (10%)				
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(9)	(5)
Pituitary Gland	(10)	(0)	(0)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)	(9)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)
Inflammation, Acute					1 (10%)
Inflammation, Chronic Active	5 (50%)			2 (20%)	
Prostate	(10)	(0)	(0)	(10)	(10)
Inflammation				1 (10%)	
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)
Testes	(10)	(0)	(0)	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)	(3)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(9)
Lymphocyte, Depletion				1 (10%)	8 (89%)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(9)

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Lymphocyte, Depletion					9 (100%)
Spleen	(10)	(10)	(10)	(10)	(10)
Pigmentation, Hemosiderin	1 (10%)				
Lymphocyte, Depletion					8 (80%)
Thymus	(10)	(10)	(10)	(10)	(10)
Lymphocyte, Depletion					10 (100%)
INTEGUMENTARY SYSTEM					
Mammary Gland	(10)	(0)	(0)	(10)	(10)
Skin	(10)	(0)	(0)	(10)	(10)
MUSCULOSKELETAL SYSTEM					
Bone	(10)	(0)	(0)	(10)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(10)	(10)
Hemorrhage	1 (10%)			1 (10%)	
Inflammation, Acute	1 (10%)				
Inflammation, Chronic Active				4 (40%)	
Alveolus, Infiltration Cellular, Histiocyte	1 (10%)			1 (10%)	
Nose	(10)	(0)	(0)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)
SPECIAL SENSES SYSTEM					
Eye	(10)	(0)	(0)	(10)	(10)

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Harderian Gland	(10)	(0)	(0)	(10)	(10)
<hr/>					
URINARY SYSTEM					
Kidney	(10)	(0)	(0)	(10)	(10)
Nephropathy	8 (80%)			5 (50%)	
Pelvis, Dilatation	1 (10%)			1 (10%)	
Renal Tubule, Calculus Micro Observation Only				2 (20%)	
Urinary Bladder	(10)	(0)	(0)	(10)	(10)

*** END OF MALE ***

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Disposition Summary					
Animals Initially In Study	10	10	10	10	10
Early Deaths					
Survivors					
Terminal Sacrifice	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)
Ectopic Tissue	1 (10%)				
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active		1 (10%)			
Pigmentation, Hemosiderin				1 (10%)	
Bile Duct, Hyperplasia				4 (40%)	5 (50%)
Capsule, Fibrosis				1 (10%)	
Pancreas	(10)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(10)	(0)	(0)	(0)	(10)
Aorta, Mineralization					1 (10%)
Heart	(10)	(0)	(0)	(0)	(10)

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ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst	1 (10%)				
Thyroid Gland	(10)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland	(10)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(10)
Cyst	1 (10%)				
Uterus	(10)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(10)	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)
Lymphocyte, Depletion	1 (10%)			1 (10%)	6 (60%)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)
Lymphocyte, Depletion					4 (40%)
Spleen	(10)	(10)	(10)	(10)	(10)
Pigmentation, Hemosiderin	9 (90%)				9 (90%)
Thymus	(10)	(10)	(10)	(10)	(10)
Lymphocyte, Depletion					1 (10%)

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INTEGUMENTARY SYSTEM					
Mammary Gland	(10)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM					
Bone	(10)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(0)	(10)
Alveolus, Infiltration Cellular, Histiocyte	2 (20%)				
Nose	(10)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM					
Eye	(10)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphohistiocytic	2 (20%)				
URINARY SYSTEM					
Kidney	(10)	(0)	(0)	(0)	(10)
Accumulation, Hyaline Droplet	1 (10%)				
Nephropathy	2 (20%)				2 (20%)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)

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5000 ppm

10000 ppm

20000 ppm

*** END OF REPORT ***

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