

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:35:55

First Dose M/F: NA / NA

Lab: NIEHS

C Number: C92005

Lock Date: Not Entered.

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	0PPM	0.5PPM	1PPM	2PPM
Disposition Summary				
Animals Initially In Study	9	10	10	10
Early Deaths				
Survivors				
Terminal Sacrifice	9	10	10	10
Animals Examined Microscopically	9	10	10	10
ALIMENTARY SYSTEM				
Liver	(9)	(0)	(0)	(10)
Hematopoietic Cell Proliferation	1 (11%)			
Hepatodiaphragmatic Nodule				1 (10%)
CARDIOVASCULAR SYSTEM				
Heart	(9)	(0)	(0)	(9)
Cardiomyopathy	1 (11%)			1 (11%)
ENDOCRINE SYSTEM				
None				
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Epididymis	(9)	(0)	(0)	(8)
Inflammation, Chronic				1 (13%)
Testes	(9)	(0)	(0)	(9)
Seminif Tub, Degeneration				1 (11%)
HEMATOPOIETIC SYSTEM				
Spleen	(9)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM				
None				

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

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MUSCULOSKELETAL SYSTEM				
Bone	(9)	(0)	(0)	(10)
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
Larynx	(9)	(0)	(0)	(10)
Glands, Inflammation, Acute				1 (10%)
Inflammation, Chronic				1 (10%)
Lung	(9)	(0)	(0)	(10)
Inflammation, Chronic	4 (44%)			6 (60%)
Metaplasia, Osseous	1 (11%)			1 (10%)
Nose	(9)	(10)	(10)	(10)
Inflammation, Chronic				10 (100%)
Olfactory Epi, Metaplasia				10 (100%)
Olfactory Epi, Mineralization				7 (70%)
Olfactory Epi, Necrosis				10 (100%)
Olfactory Epi, Regeneration				10 (100%)
Respirat Epith, Hyperplasia		5 (50%)	10 (100%)	10 (100%)
Respirat Epith, Metaplasia, Squamous			10 (100%)	10 (100%)
Respirat Epith, Mineralization				1 (10%)
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(9)	(0)	(0)	(10)
Inflammation, Chronic				1 (10%)
Nephropathy	5 (56%)			5 (50%)
Pelvis, Inflammation, Chronic				1 (10%)

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END OF MALE DATA

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Disposition Summary				
Animals Initially In Study	10	10	10	10
Early Deaths				
Survivors				
Terminal Sacrifice	10	10	10	10
Animals Examined Microscopically	10	10	10	10
ALIMENTARY SYSTEM				
Liver	(10)	(0)	(0)	(10)
Hematopoietic Cell Proliferation	1 (10%)			
Inflammation, Chronic	2 (20%)			3 (30%)
CARDIOVASCULAR SYSTEM				
Heart	(10)	(0)	(0)	(10)
Cardiomyopathy	1 (10%)			1 (10%)
ENDOCRINE SYSTEM				
None				
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Ovary	(10)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(10)
Hydrometra				1 (10%)
HEMATOPOIETIC SYSTEM				
Spleen	(10)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				

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Bone	(10)	(0)	(0)	(10)
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
Larynx	(10)	(0)	(0)	(10)
Foreign Body				1 (10%)
Inflammation, Acute	1 (10%)			1 (10%)
Inflammation, Chronic	3 (30%)			1 (10%)
Lung	(10)	(0)	(0)	(10)
Inflammation, Chronic	2 (20%)			3 (30%)
Metaplasia, Osseous				1 (10%)
Nose	(10)	(10)	(10)	(10)
Inflammation, Chronic		1 (10%)	1 (10%)	9 (90%)
Olfactory Epi, Metaplasia				10 (100%)
Olfactory Epi, Mineralization				6 (60%)
Olfactory Epi, Necrosis				10 (100%)
Olfactory Epi, Regeneration				10 (100%)
Respirat Epith, Hyperplasia		2 (20%)	9 (90%)	10 (100%)
Respirat Epith, Metaplasia, Squamous			8 (80%)	10 (100%)
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(10)	(0)	(0)	(10)
Nephropathy	1 (10%)			

** END OF REPORT **

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