

**Experiment Number:** 92007-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**  
**Test Compound:** 2-Cyclohexen-1-one  
**CAS Number:** 930-68-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 04:29:43  
**First Dose M/F:** NA / NA  
**Lab:** NIEHS

**C Number:** C92007  
**Lock Date:** 02/04/1999  
**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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First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat MALE	0PPM	10PPM	5PPM	2.5PPM
<b>Disposition Summary</b>				
Animals Initially In Study	10	10	10	10
Scheduled Sacrifice	10	10	10	10
Early Deaths				
Survivors				
Animals Examined Microscopically	10	10	10	10
<b>ALIMENTARY SYSTEM</b>				
Liver	(10)	(10)	(10)	(10)
Centrilobular, Vacuolization Cytoplasmic	2 [1.0]	9 [1.4]	8 [1.1]	5 [1.0]
Hematopoietic Cell Proliferation, Focal			1 [1.0]	
Infiltration Cellular, Mononuclear Cl, Focal	1 [1.0]	3 [1.0]		5 [1.0]
Infiltration Cellular, Mononuclear Cl, Multifocal	4 [1.0]	3 [1.0]	5 [1.0]	1 [1.0]
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(10)	(10)	(0)	(0)
Cardiomyopathy, Focal	4 [1.0]	2 [1.0]		
Cardiomyopathy, Multifocal		2 [1.0]		
<b>ENDOCRINE SYSTEM</b>				
None				
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Epididymis	(8)	(6)	(0)	(0)
Perivascular, Infiltration Cellular, Mononuclear Cl, Focal	1 [1.0]	2 [1.0]		
Perivascular, Infiltration Cellular, Mononuclear Cl, Multifocal	1 [1.0]			

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)

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F 344/N Rat MALE	0PPM	10PPM	5PPM	2.5PPM
Testes	(10)	(10)	(0)	(0)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(0)	(0)
Spleen	(10)	(10)	(0)	(0)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
Brain	(10)	(10)	(0)	(0)
Thalamus, Mineralization, Focal		1 [3.0]		
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(0)	(0)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal	1 [1.0]			
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Multifocal	3 [1.0]	8 [1.0]		
Lung	(10)	(10)	(0)	(0)
Alveolus, Infiltration Cellular, Histiocyte, Focal		1 [2.0]		
Hemorrhage, Acute, Focal	2 [1.5]	2 [1.0]		
Hemorrhage, Multifocal, Acute	1 [1.0]	5 [1.4]		
Nose	(10)	(10)	(10)	(10)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal		2 [1.5]		
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Focal	2 [2.5]	1 [1.0]	1 [1.0]	2 [1.5]
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Multifocal	4 [1.3]	3 [1.0]	6 [1.0]	5 [1.0]

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Lab: NIEHS

F 344/N Rat MALE	0PPM	10PPM	5PPM	2.5PPM
Nasolacrim Dct, Inflammation, Suppurative, Acute, Focal	1 [1.0]			
Respirat Epith, Septum, Hyperplasia, Multifocal			2 [2.0]	
Respirat Epith, Turbinate, Hyperplasia, Multifocal		10 [1.7]	9 [1.8]	9 [1.7]
Respirat Epith, Turbinate, Metaplasia, Squamous, Multifocal		7 [1.7]	8 [1.8]	2 [1.0]
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(10)	(10)	(0)	(0)
Interstitial, Infiltration Cellular, Mononuclear Cl, Focal		1 [1.0]		
Renal Tubule, Accumulation, Hyaline Droplet, Multifocal		1 [1.0]		
Renal Tubule, Hyaline Droplet, Multifocal		1 [1.0]		
Renal Tubule, Regeneration, Focal	1 [1.0]	1 [1.0]		
Renal Tubule, Regeneration, Multifocal	8 [1.0]	8 [1.0]		
Urinary Bladder	(10)	(10)	(0)	(0)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal		1 [1.0]		

\*\*\*END OF MALE DATA\*\*\*

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F 344/N Rat FEMALE	0PPM	10PPM	5PPM	2.5PPM
<b>Disposition Summary</b>				
Animals Initially In Study	10	10	10	10
Scheduled Sacrifice	10	10	10	10
Early Deaths				
Survivors				
Animals Examined Microscopically	10	10	10	10
<b>ALIMENTARY SYSTEM</b>				
Liver	(10)	(10)	(10)	(10)
Bile Duct, Hyperplasia, Multifocal				1 [1.0]
Infiltration Cellular, Mononuclear CI, Focal		1 [1.0]	2 [1.0]	1 [1.0]
Infiltration Cellular, Mononuclear CI, Multifocal	8 [1.0]	5 [1.0]	5 [1.0]	5 [1.0]
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(10)	(10)	(0)	(0)
Cardiomyopathy, Focal	3 [1.3]	2 [1.0]		
Cardiomyopathy, Multifocal	1 [1.0]	3 [1.0]		
<b>ENDOCRINE SYSTEM</b>				
None				
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Ovary	(10)	(10)	(0)	(0)
Uterus	(10)	(10)	(0)	(0)
Dilatation	2 [1.5]	2 [1.5]		
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(10)	(10)	(0)	(0)

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Lab: NIEHS

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Femoral, Inflammation, Multifocal, Granulomatous	1 [2.0]			
Spleen	(10)	(10)	(0)	(0)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
Brain	(10)	(10)	(0)	(0)
RESPIRATORY SYSTEM				
Larynx	(10)	(10)	(0)	(0)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Focal	1 [1.0]	1 [1.0]		
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Multifocal	9 [1.2]	9 [1.1]		
Lamina Propria, Inflammation, Multifocal, Suppurative, Acute	1 [1.0]			
Lung	(10)	(10)	(0)	(0)
Hemorrhage, Acute, Focal	3 [1.0]	1 [1.0]		
Hemorrhage, Multifocal, Acute	1 [1.0]	3 [1.0]		
Nose	(10)	(10)	(10)	(10)
Lamina Propria, Infiltration Cellular, Mononuclear Cl, Multifocal	1 [2.0]			1 [2.0]
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Focal	1 [1.0]		2 [1.0]	2 [1.0]
Nasolacrim Dct, Infiltration Cellular, Mononuclear Cl, Multifocal	5 [1.4]	3 [1.0]	4 [1.3]	3 [1.0]
Respirat Epith, Septum, Hyperplasia, Multifocal		6 [2.0]		

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Respirat Epith, Septum, Metaplasia, Squamous, Multifocal		5 [1.8]		
Respirat Epith, Turbinate, Hyperplasia, Multifocal		10 [2.0]	10 [1.6]	10 [1.4]
Respirat Epith, Turbinate, Metaplasia, Squamous, Multifocal		10 [1.8]	5 [1.6]	
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(10)	(10)	(0)	(0)
Collect Tub, Mineralization, Focal		1 [1.0]		
Collect Tub, Mineralization, Multifocal	6 [1.0]	4 [1.0]		
Interstitium, Infiltration Cellular, Mononuclear Cl, Focal	1 [1.0]			
Renal Tubule, Regeneration, Focal		2 [1.0]		
Renal Tubule, Regeneration, Multifocal	1 [1.0]			
Urinary Bladder	(9)	(10)	(0)	(0)

**\*\* END OF REPORT \*\***

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