

Experiment Number: 96011-01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Test Compound: Cumene

CAS Number: 98-82-8

Date Report Requested: 10/21/2014

Time Report Requested: 20:07:17

First Dose M/F: NA / NA

Lab: BNW

C Number:	C96011
Lock Date:	02/05/2001
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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Lab: BNW

F 344/N Rat MALE	CONTROL	250 PPM	500 PPM	1000 PPM	2000 PPM	4000 PPM
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death					2	5
Survivors						
Terminal Sacrifice	5	5	5	5	3	
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Liver	(5)	(0)	(0)	(5)	(5)	(5)
Congestion					3 [1.7]	
Hemorrhage, Focal					1 [3.0]	
Hepatodiaphragmatic Nodule				1		
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(4)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(4)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
None						

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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MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(0)	(1)	(0)	(0)	(0)	(0)
Lung	(5)	(1)	(0)	(5)	(5)	(5)
Alveolus, Edema						2 [1.0]
Alveolus, Hemorrhage		1 [1.0]				
Alveolus, Infiltration Cellular, Histiocyte	1 [1.0]					
Alveolus, Inflammation, Suppurative					2 [2.0]	2 [1.0]
Nose	(5)	(0)	(0)	(0)	(5)	(5)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(5)	(5)	(5)	(5)	(5)	(5)
Cortex, Renal Tubule, Accumulation, Hyaline Droplet		3 [1.3]	2 [1.5]	3 [1.0]	1 [1.0]	
Hemorrhage, Focal					1 [3.0]	
Urinary Bladder	(0)	(0)	(0)	(0)	(1)	(0)
Muscularis, Hemorrhage					1 [4.0]	

END OF MALE DATA

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F 344/N Rat FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM	2000 PPM	4000 PPM
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death					3	5
Survivors						
Terminal Sacrifice	5	5	5	5	2	
Animals Examined Microscopically	5			5	5	5
ALIMENTARY SYSTEM						
Esophagus	(0)	(0)	(0)	(0)	(1)	(0)
Liver	(5)	(0)	(0)	(0)	(5)	(5)
Hepatodiaphragmatic Nodule	1				1	
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(3)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(3)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
None						

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MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(0)	(0)	(0)	(0)	(1)	(1)
Lung	(5)	(0)	(0)	(5)	(5)	(5)
Alveolus, Inflammation, Suppurative					2 [1.5]	
Hemorrhage				1 [1.0]	1 [3.0]	
Infiltration Cellular, Histiocyte					1 [2.0]	
Nose	(5)	(0)	(0)	(0)	(5)	(5)
Inflammation, Suppurative					1 [2.0]	
Pleura	(0)	(0)	(0)	(0)	(0)	(1)
Inflammation, Acute						1 [2.0]
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(5)	(5)
Capsule, Hemorrhage					1 [3.0]	
Renal Tubule, Degeneration					1 [3.0]	
Urinary Bladder	(0)	(0)	(0)	(0)	(1)	(0)
Hemorrhage					1 [2.0]	

**** END OF REPORT ****

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

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