

Study Number: C15011B-01
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

PA05: Incidence Rates of Neoplastic Lesions with Systemic Lesions Abridged
Test Compound: 2-Ethyltoluene
CAS Number: 611-14-3

Date Report Requested: 03/31/2021
Time Report Requested: 08:29:53
Lab: Battelle

Study Number: C15011B-01
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.1.9

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F0 Female						
	Treatment Groups (ppm)					
	0	150	300	600	900	1200
Disposition Summary						
Animals Initially In Study	12	12	12	12	12	12
Censored			1	1	2	
Early Deaths						
Found Dead						4
Sacrificed, Moribund					4	8
Survivors						
Scheduled Sacrifice, Terminal	12	12	11	11	6	
Number Animals Examined Microscopically					2	10
ALIMENTARY SYSTEM						
LIVER	(0)	(0)	(0)	(0)	(2)	(4)
STOMACH, FORESTOMACH	(0)	(0)	(0)	(0)	(2)	(10)
STOMACH, GLANDULAR	(0)	(0)	(0)	(0)	(2)	(10)
CARDIOVASCULAR SYSTEM						
No Tissues/Organs Examined						
ENDOCRINE SYSTEM						
No Tissues/Organs Examined						
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
No Tissues/Organs Examined						
HEMATOLYMPHOID SYSTEM						
LYMPH NODE, MESENTERIC	(0)	(0)	(0)	(0)	(0)	(1)
INTEGUMENTARY SYSTEM						
No Tissues/Organs Examined						

F0 Female						
	Treatment Groups (ppm)					
	0	150	300	600	900	1200
MUSCULOSKELETAL SYSTEM						
No Tissues/Organs Examined						
NERVOUS SYSTEM						
No Tissues/Organs Examined						
RESPIRATORY SYSTEM						
No Tissues/Organs Examined						
SPECIAL SENSES SYSTEM						
No Tissues/Organs Examined						
URINARY SYSTEM						
KIDNEY, LEFT	(0)	(0)	(0)	(0)	(1)	(0)
KIDNEY, RIGHT	(0)	(0)	(0)	(0)	(1)	(0)
No Systemic Lesions						

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Tumor Summary Data for F0 Female	Treatment Groups (ppm)					
	0	150	300	600	900	1200
Total Animals with Primary Neoplasms	0	0	0	0	0	0
Total Primary Neoplasms	0	0	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0	0	0
Total Benign Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0	0	0
Total Malignant Neoplasms	0	0	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0	0	0

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F1 Male: F1 Biosample

	Treatment Groups (ppm)	
	0	600
Disposition Summary		
Animals Initially In Study	6	6
Censored		3
Early Deaths		
Found Dead		2
Sacrificed, Moribund		1
Survivors		
Scheduled Sacrifice, Terminal	6	
Number Animals Examined Microscopically		5
ALIMENTARY SYSTEM		
STOMACH, FORESTOMACH	(0)	(1)
STOMACH, GLANDULAR	(0)	(4)
CARDIOVASCULAR SYSTEM		
No Tissues/Organs Examined		
ENDOCRINE SYSTEM		
No Tissues/Organs Examined		
GENERAL BODY SYSTEM		
No Tissues/Organs Examined		
GENITAL SYSTEM		
No Tissues/Organs Examined		
HEMATOLYMPHOID SYSTEM		
THYMUS	(0)	(1)
INTEGUMENTARY SYSTEM		
SKIN	(0)	(1)
MUSCULOSKELETAL SYSTEM		
No Tissues/Organs Examined		

F1 Male: F1 Biosample		
	Treatment Groups (ppm)	
	0	600
NERVOUS SYSTEM		
No Tissues/Organs Examined		
RESPIRATORY SYSTEM		
No Tissues/Organs Examined		
SPECIAL SENSES SYSTEM		
No Tissues/Organs Examined		
URINARY SYSTEM		
No Tissues/Organs Examined		
No Systemic Lesions		

Tumor Summary Data for F1 Male F1 Biosample	Treatment Groups (ppm)	
	0	600
Total Animals with Primary Neoplasms	0	0
Total Primary Neoplasms	0	0
Total Animals with Benign Neoplasms	0	0
Total Benign Neoplasms	0	0
Total Animals with Malignant Neoplasms	0	0
Total Malignant Neoplasms	0	0
Total Animals with Metastatic Neoplasms	0	0
Total Metastatic Neoplasms	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0

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F1 Female: F1 Biosample

	Treatment Groups (ppm)	
	0	600
Disposition Summary		
Animals Initially In Study	6	6
Censored		2
Early Deaths		
Found Dead		3
Sacrificed, Moribund		1
Survivors		
Scheduled Sacrifice, Terminal	6	
Number Animals Examined Microscopically		5
ALIMENTARY SYSTEM		
STOMACH, FORESTOMACH	(0)	(1)
STOMACH, GLANDULAR	(0)	(4)
CARDIOVASCULAR SYSTEM		
No Tissues/Organs Examined		
ENDOCRINE SYSTEM		
No Tissues/Organs Examined		
GENERAL BODY SYSTEM		
No Tissues/Organs Examined		
GENITAL SYSTEM		
No Tissues/Organs Examined		
HEMATOLYMPHOID SYSTEM		
LYMPH NODE, MESENTERIC	(0)	(1)
INTEGUMENTARY SYSTEM		
No Tissues/Organs Examined		
MUSCULOSKELETAL SYSTEM		
No Tissues/Organs Examined		

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F1 Female: F1 Biosample		
	Treatment Groups (ppm)	
	0	600
NERVOUS SYSTEM		
No Tissues/Organs Examined		
RESPIRATORY SYSTEM		
No Tissues/Organs Examined		
SPECIAL SENSES SYSTEM		
No Tissues/Organs Examined		
URINARY SYSTEM		
No Tissues/Organs Examined		
No Systemic Lesions		

Tumor Summary Data for F1 Female F1 Biosample	Treatment Groups (ppm)	
	0	600
Total Animals with Primary Neoplasms	0	0
Total Primary Neoplasms	0	0
Total Animals with Benign Neoplasms	0	0
Total Benign Neoplasms	0	0
Total Animals with Malignant Neoplasms	0	0
Total Malignant Neoplasms	0	0
Total Animals with Metastatic Neoplasms	0	0
Total Metastatic Neoplasms	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0

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F1 Male: F1 Core				
	Treatment Groups (ppm)			
	0	150	300	600
Disposition Summary				
Animals Initially In Study	8	8	8	8
Censored				4
Early Deaths				
Found Dead				3
Sacrificed, Moribund				1
Survivors				
Scheduled Sacrifice, Terminal	8	8	8	
Number Animals Examined Microscopically	8	8	8	8
ALIMENTARY SYSTEM				
LIVER	(8)	(1)	(8)	(8)
PHARYNX	(8)	(0)	(8)	(8)
STOMACH, GLANDULAR	(0)	(0)	(0)	(5)
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
No Tissues/Organs Examined				
HEMATOLYMPHOID SYSTEM				
LYMPH NODE, BRONCHIAL	(7)	(0)	(6)	(4)
LYMPH NODE, MEDIASTINAL	(7)	(0)	(7)	(3)
INTEGUMENTARY SYSTEM				
SKIN	(0)	(0)	(0)	(2)

F1 Male: F1 Core				
	Treatment Groups (ppm)			
	0	150	300	600
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(8)	(0)	(8)	(8)
RESPIRATORY SYSTEM				
LARYNX	(8)	(0)	(8)	(8)
LUNG	(8)	(0)	(8)	(8)
NOSE	(8)	(8)	(8)	(8)
TRACHEA	(7)	(0)	(8)	(5)
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
KIDNEY	(8)	(0)	(8)	(8)
No Systemic Lesions				

Tumor Summary Data for F1 Male F1 Core	Treatment Groups (ppm)			
	0	150	300	600
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

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F1 Female: F1 Core				
	Treatment Groups (ppm)			
	0	150	300	600
Disposition Summary				
Animals Initially In Study	8	8	8	8
Censored				5
Early Deaths				
Found Dead				2
Sacrificed, Moribund				1
Survivors				
Scheduled Sacrifice, Terminal	8	8	8	
Number Animals Examined Microscopically	8	8	8	8
ALIMENTARY SYSTEM				
LIVER	(8)	(2)	(8)	(8)
PHARYNX	(8)	(0)	(8)	(8)
STOMACH, GLANDULAR	(0)	(0)	(0)	(7)
CARDIOVASCULAR SYSTEM				
No Tissues/Organs Examined				
ENDOCRINE SYSTEM				
No Tissues/Organs Examined				
GENERAL BODY SYSTEM				
No Tissues/Organs Examined				
GENITAL SYSTEM				
No Tissues/Organs Examined				
HEMATOLYMPHOID SYSTEM				
LYMPH NODE, BRONCHIAL	(6)	(0)	(8)	(4)
LYMPH NODE, MEDIASTINAL	(7)	(0)	(7)	(8)
LYMPH NODE, MESENTERIC	(0)	(0)	(0)	(1)
THYMUS	(0)	(0)	(0)	(2)

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F1 Female: F1 Core				
	Treatment Groups (ppm)			
	0	150	300	600
INTEGUMENTARY SYSTEM				
SKIN	(0)	(0)	(0)	(2)
MUSCULOSKELETAL SYSTEM				
No Tissues/Organs Examined				
NERVOUS SYSTEM				
BRAIN	(8)	(0)	(8)	(8)
RESPIRATORY SYSTEM				
LARYNX	(8)	(0)	(8)	(8)
LUNG	(8)	(0)	(8)	(8)
NOSE	(8)	(8)	(8)	(8)
TRACHEA	(8)	(0)	(8)	(8)
SPECIAL SENSES SYSTEM				
No Tissues/Organs Examined				
URINARY SYSTEM				
KIDNEY	(8)	(0)	(8)	(8)
No Systemic Lesions				

Tumor Summary Data for F1 Female F1 Core	Treatment Groups (ppm)			
	0	150	300	600
Total Animals with Primary Neoplasms	0	0	0	0
Total Primary Neoplasms	0	0	0	0
Total Animals with Benign Neoplasms	0	0	0	0
Total Benign Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms	0	0	0	0
Total Malignant Neoplasms	0	0	0	0
Total Animals with Metastatic Neoplasms	0	0	0	0
Total Metastatic Neoplasms	0	0	0	0
Total Animals with Malignant Neoplasms Uncertain Primary Site	0	0	0	0

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LEGEND

Censored animals are scheduled for sacrifice prior to the end of the study. The censored animals are included in the pathology data.

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

Systemic lesions are included once in the total lesion count regardless of how many times they occurred in a single animal

**** END OF REPORT ****