

**Study Number:** C11054-01

**Test Type:** TOX

**Route:** Oral Gavage

**Species/Strain:** Rat/Harlan Sprague Dawley

**C Number:**

**Study Gender:**

**PWG Approval Date**

**PA46: Summary of Gross Pathology**

**Test Compound:** Sulfolane

**CAS Number:** 126-33-0

C11054-01

Both

See web page for date of PWG Approval

**Date Report Requested:** 11/13/2018

**Time Report Requested:** 14:25:46

**Lab:** Battelle

Study Number: C11054-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

PA46: Summary of Gross Pathology

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 11/13/2018

Time Report Requested: 14:25:46

Lab: Battelle

Male

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
<b>Disposition Summary</b>							
Animals Initially In Study	13	10	10	13	13	13	10
Early Deaths							
Survivors							
Scheduled sacrifice, terminal (SD 28 - 29)	13	10	10	13	13	13	10
Number of Animals Examined	10	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>							
ESOPHAGUS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, CECUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, COLON	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, RECTUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, DUODENUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, ILEUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, JEJUNUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LIVER	(10)	(10)	(10)	(10)	(10)	(10)	(10)
MEDIAN LOBE; DEFORMITY	1			1			
MESENTERY	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PANCREAS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PHARYNX	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SALIVARY GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
STOMACH	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TONGUE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TOOTH	(10)	(10)	(10)	(10)	(10)	(10)	(10)
<b>CARDIOVASCULAR SYSTEM</b>							
BLOOD VESSEL	(10)	(10)	(10)	(10)	(10)	(10)	(10)
HEART	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PERICARDIUM	(10)	(10)	(10)	(10)	(9)	(9)	(10)

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Lab: Battelle

Male

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
ENDOCRINE SYSTEM							
ADRENAL GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PARATHYROID GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PITUITARY GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
THYROID GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM							
CAVITY, ABDOMINAL	(10)	(10)	(10)	(9)	(9)	(9)	(10)
CAVITY, CRANIAL	(0)	(0)	(0)	(1)	(0)	(0)	(0)
CAVITY, THORACIC	(10)	(10)	(10)	(10)	(9)	(9)	(10)
NASAL CAVITY	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TISSUE NOT OTHERWISE SPECIFIED	(10)	(10)	(10)	(10)	(9)	(9)	(10)
WHOLE BODY	(10)	(10)	(10)	(10)	(10)	(10)	(10)
GENITAL SYSTEM							
COAGULATING GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
EPIDIDYMIS, LEFT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
EPIDIDYMIS, RIGHT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PENIS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PREPUTIAL GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PROSTATE GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SEMINAL VESICLE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TESTIS, LEFT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TESTIS, RIGHT	(10)	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: Battelle

Male

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
HEMATOPOIETIC SYSTEM							
BLOOD	(10)	(10)	(10)	(10)	(10)	(10)	(10)
BONE MARROW	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, BRONCHIAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MANDIBULAR	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MEDIASTINAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MESENTERIC	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SPLEEN	(10)	(10)	(10)	(10)	(10)	(10)	(10)
THYMUS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM							
MAMMARY GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SKIN	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPHOID SYSTEM							
None							
MUSCULOSKELETAL SYSTEM							
BONE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SKELETAL MUSCLE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
NERVOUS SYSTEM							
BRAIN	(10)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, SCIATIC	(10)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, TIBIAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, TRIGEMINAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SPINAL CORD	(10)	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: Battelle

Male

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
RESPIRATORY SYSTEM							
LARYNX	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LUNGS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TRACHEA	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM							
EYE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
HARDERIAN GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LACRIMAL GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
ZYMBALS GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
URINARY SYSTEM							
KIDNEY, LEFT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
KIDNEY, RIGHT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
URETER	(10)	(10)	(10)	(10)	(10)	(10)	(10)
URINARY BLADDER	(10)	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: Battelle

Female

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
<b>Disposition Summary</b>							
Animals Initially In Study	13	10	10	13	13	13	10
Early Deaths							
Survivors							
Scheduled sacrifice, terminal (SD 28 - 29)	13	10	10	13	13	13	10
Number of Animals Examined	10	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>							
ESOPHAGUS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, CECUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, COLON	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, RECTUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, DUODENUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, ILEUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, JEJUNUM	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LIVER	(10)	(10)	(10)	(10)	(10)	(10)	(10)
MEDIAN LOBE; DEFORMITY						1	1
MESENTERY	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PANCREAS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PHARYNX	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SALIVARY GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
STOMACH	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TONGUE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TOOTH	(10)	(10)	(10)	(10)	(10)	(10)	(10)
<b>CARDIOVASCULAR SYSTEM</b>							
BLOOD VESSEL	(10)	(10)	(10)	(10)	(10)	(10)	(10)
HEART	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PERICARDIUM	(10)	(10)	(9)	(10)	(10)	(9)	(10)

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Female

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
ENDOCRINE SYSTEM							
ADRENAL GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PARATHYROID GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PITUITARY GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
THYROID GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM							
CAVITY, ABDOMINAL	(10)	(10)	(10)	(10)	(10)	(9)	(10)
CAVITY, THORACIC	(10)	(10)	(10)	(10)	(10)	(9)	(10)
NASAL CAVITY	(10)	(10)	(10)	(10)	(10)	(10)	(10)
WHOLE BODY	(10)	(10)	(10)	(10)	(10)	(10)	(10)
GENITAL SYSTEM							
CLITORAL GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
OVARY, LEFT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
OVARY, RIGHT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
OVIDUCT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
PLACENTA	(0)	(0)	(1)	(0)	(0)	(0)	(0)
UTERUS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
CYST				1			1
VAGINA	(10)	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: Battelle

Female

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800	
HEMATOPOIETIC SYSTEM								
BLOOD	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
BONE MARROW	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
LYMPH NODE	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
LYMPH NODE, BRONCHIAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
LYMPH NODE, MANDIBULAR	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
LYMPH NODE, MEDIASTINAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
LYMPH NODE, MESENTERIC	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
SPLEEN	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
THYMUS	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
INTEGUMENTARY SYSTEM								
MAMMARY GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
SKIN	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
LYMPHOID SYSTEM								
None								
MUSCULOSKELETAL SYSTEM								
BONE	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
SKELETAL MUSCLE	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
NERVOUS SYSTEM								
BRAIN	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
NERVE, SCIATIC	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
NERVE, TIBIAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
NERVE, TRIGEMINAL	(10)	(10)	(10)	(10)	(10)	(10)	(10)	
SPINAL CORD	(10)	(10)	(10)	(10)	(10)	(10)	(10)	



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Lab: Battelle

Female

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
RESPIRATORY SYSTEM							
LARYNX	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LUNGS	(10)	(10)	(10)	(10)	(10)	(10)	(10)
TRACHEA	(10)	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM							
EYE	(10)	(10)	(10)	(10)	(10)	(10)	(10)
HARDERIAN GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
LACRIMAL GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
ZYMBALS GLAND	(10)	(10)	(10)	(10)	(10)	(10)	(10)
URINARY SYSTEM							
KIDNEY, LEFT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
KIDNEY, RIGHT	(10)	(10)	(10)	(10)	(10)	(10)	(10)
URETER	(10)	(10)	(10)	(10)	(10)	(10)	(10)
URINARY BLADDER	(10)	(10)	(10)	(10)	(10)	(10)	(10)

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**Lab:** Battelle

LEGEND

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Number of animals examined given for each tissue

Number of animals affected given for each observation

SD – Study Day

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