

Study Number: C11054-03

Test Type: TOX

Route: Oral Gavage

Species/Strain: Guinea Pig/Hartley

C Number:

C11054-03

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

PA46: Summary of Gross Pathology

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 11/14/2018

Time Report Requested: 06:05:39

Lab: Battelle

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Lab: Battelle

	Male						
	Treatment Groups (mg/kg)						
	0	1	10	30	100	300	800
Disposition Summary							
Animals Initially In Study	23	10	10	13	13	13	10
Scheduled sacrifice, interim							2
Early Deaths							
Euthanized, moribund							1
Found Dead							7
Survivors							
Scheduled sacrifice, terminal (SD 28 - 29)	23	10	10	13	13	13	
Number of Animals Examined	20	10	10	10	10	10	10

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Lab: Battelle

Male

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
ALIMENTARY SYSTEM							
ESOPHAGUS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
GALL BLADDER	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, CECUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, COLON	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, RECTUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, DUODENUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, ILEUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, JEJUNUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LIVER	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LEFT LOBE; FOCUS	1			1			
MEDIAN LOBE; FOCUS	2			1	1		
MESENTERY	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PANCREAS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PHARYNX	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SALIVARY GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
STOMACH	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LUMEN; DISCOLORATION; DARK							1
TONGUE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
TOOTH	(20)	(10)	(10)	(10)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM							
BLOOD VESSEL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
HEART	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NODULE			1				
PERICARDIUM	(20)	(10)	(10)	(10)	(10)	(10)	(0)

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Lab: Battelle

	Male						
	Treatment Groups (mg/kg)						
	0	1	10	30	100	300	800
ENDOCRINE SYSTEM							
ADRENAL GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PARATHYROID GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PITUITARY GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
THYROID GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM							
CAVITY, ABDOMINAL	(20)	(10)	(10)	(10)	(10)	(9)	(0)
CAVITY, CRANIAL	(0)	(0)	(0)	(0)	(0)	(1)	(0)
CAVITY, THORACIC	(20)	(10)	(10)	(10)	(10)	(10)	(0)
WHOLE BODY	(20)	(10)	(10)	(10)	(10)	(10)	(10)
GENITAL SYSTEM							
COAGULATING GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
EPIDIDYMIS, LEFT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
EPIDIDYMIS, RIGHT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PENIS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PROSTATE GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SEMINAL VESICLE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
TESTIS, LEFT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
TESTIS, RIGHT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SMALL							1

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Lab: Battelle

	Male						
	Treatment Groups (mg/kg)						
	0	1	10	30	100	300	800
HEMATOPOIETIC SYSTEM							
BLOOD	(20)	(10)	(10)	(10)	(10)	(10)	(10)
BONE MARROW	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, BRONCHIAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MANDIBULAR	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MEDIASTINAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MESENTERIC	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SPLEEN	(20)	(10)	(10)	(10)	(10)	(10)	(10)
THYMUS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM							
MAMMARY GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SKIN	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPHOID SYSTEM							
None							
MUSCULOSKELETAL SYSTEM							
BONE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SKELETAL MUSCLE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVOUS SYSTEM							
BRAIN	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, SCIATIC	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, TIBIAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, TRIGEMINAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SPINAL CORD	(20)	(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							
CAVITY, NASAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LARYNX	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LUNGS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
DISCOLORATION; DARK, DIFFUSE							1
DISCOLORATION; DIFFUSE, RED							1
DISCOLORATION; RED							1
TRACHEA	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM							
EYE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
HARDERIAN GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LACRIMAL GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
ZYMBALS GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
URINARY SYSTEM							
KIDNEY, LEFT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
KIDNEY, RIGHT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
URETER	(20)	(10)	(10)	(10)	(10)	(10)	(10)
URINARY BLADDER	(20)	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: Battelle

	Female						
	Treatment Groups (mg/kg)						
	0	1	10	30	100	300	800
Disposition Summary							
Animals Initially In Study	23	10	10	13	13	13	10
Scheduled sacrifice, interim							7
Early Deaths							
Found Dead							3
Survivors							
Scheduled sacrifice, terminal (SD 28 - 29)	23	10	10	13	13	13	
Number of Animals Examined	20	10	10	10	10	10	10

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Lab: Battelle

Female

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
ALIMENTARY SYSTEM							
ESOPHAGUS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
GALL BLADDER	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, CECUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, COLON	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, LARGE, RECTUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, DUODENUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, ILEUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
INTESTINE, SMALL, JEJUNUM	(20)	(10)	(10)	(10)	(10)	(10)	(10)
DISCOLORATION; DARK, DIFFUSE							1
LIVER	(20)	(10)	(10)	(10)	(10)	(10)	(10)
MEDIAN LOBE; FOCUS		1	1				
FOCUS; PALE							1
MESENTERY	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PANCREAS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PHARYNX	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SALIVARY GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
STOMACH	(20)	(10)	(10)	(10)	(10)	(10)	(10)
DISCOLORATION; MOTTLED							1
TONGUE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
TOOTH	(20)	(10)	(10)	(10)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM							
BLOOD VESSEL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
HEART	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PERICARDIUM	(20)	(10)	(10)	(10)	(10)	(10)	(0)

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	Female						
	Treatment Groups (mg/kg)						
	0	1	10	30	100	300	800
ENDOCRINE SYSTEM							
ADRENAL GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PARATHYROID GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
PITUITARY GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
THYROID GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
GENERAL BODY SYSTEM							
CAVITY, ABDOMINAL	(20)	(10)	(10)	(10)	(10)	(10)	(0)
CAVITY, THORACIC	(20)	(10)	(10)	(10)	(10)	(10)	(0)
WHOLE BODY	(20)	(10)	(10)	(10)	(10)	(10)	(10)
GENITAL SYSTEM							
OVARY, LEFT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
OVARY, RIGHT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
OVIDUCT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
UTERUS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
VAGINA	(20)	(10)	(10)	(10)	(10)	(10)	(10)
HEMATOPOIETIC SYSTEM							
BLOOD	(20)	(10)	(10)	(10)	(10)	(10)	(10)
BONE MARROW	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, BRONCHIAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MANDIBULAR	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MEDIASTINAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPH NODE, MESENTERIC	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SPLEEN	(20)	(10)	(10)	(10)	(10)	(10)	(10)
THYMUS	(20)	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: Battelle

	Female						
	Treatment Groups (mg/kg)						
	0	1	10	30	100	300	800
INTEGUMENTARY SYSTEM							
MAMMARY GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SKIN	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LYMPHOID SYSTEM							
None							
MUSCULOSKELETAL SYSTEM							
BONE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SKELETAL MUSCLE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVOUS SYSTEM							
BRAIN	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, SCIATIC	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, TIBIAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
NERVE, TRIGEMINAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SPINAL CORD	(20)	(10)	(10)	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM							
CAVITY, NASAL	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LARYNX	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LUNGS	(20)	(10)	(10)	(10)	(10)	(10)	(10)
DISCOLORATION; DARK, DIFFUSE							2
TRACHEA	(20)	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM							
EYE	(20)	(10)	(10)	(10)	(10)	(10)	(10)
HARDERIAN GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
LACRIMAL GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)
ZYMBALS GLAND	(20)	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: Battelle

Female

Treatment Groups (mg/kg)

	0	1	10	30	100	300	800
URINARY SYSTEM							
KIDNEY, LEFT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
CYST			1				
KIDNEY, RIGHT	(20)	(10)	(10)	(10)	(10)	(10)	(10)
URETER	(20)	(10)	(10)	(10)	(10)	(10)	(10)
URINARY BLADDER	(20)	(10)	(10)	(10)	(10)	(10)	(10)

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LEGEND

Number of animals examined given for each tissue

Number of animals affected given for each observation

SD – Study Day

**** END OF REPORT ****