

**Experiment Number:** 99013-02  
**Test Type:** 7-WEEK PERINATAL  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**  
**Test Compound:** Styrene-acrylonitrile trimer  
**CAS Number:** SANTRIMER2

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 15:13:22  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99013
<b>Lock Date:</b>	04/22/2003
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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F 344/N Rat MALE	0_PPM PUPS	250 PPM PUPS	500 PPM PUPS	1000 PPM PUPS	2000 PPM PUPS	4000 PPM PUPS
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Survivors						
Terminal Sacrifice	10	10	10	10	10	9
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Depletion Glycogen						1 (10%)
Fatty Change	6 (60%)	2 (20%)		2 (20%)	2 (20%)	9 (90%)
Hematopoietic Cell Proliferation	3 (30%)	5 (50%)	7 (70%)	5 (50%)	3 (30%)	9 (90%)
Hepatocyte, Atrophy						1 (10%)
Hepatodiaphragmatic Nodule	2 (20%)	1 (10%)				2 (20%)
Inflammation, Chronic Active	1 (10%)	5 (50%)	1 (10%)	1 (10%)	9 (90%)	4 (40%)
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(0)	(0)	(10)	(10)	(10)
Atrophy					2 (20%)	10 (100%)
Prostate	(10)	(0)	(0)	(0)	(10)	(10)
Atrophy						8 (80%)
Inflammation					1 (10%)	

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

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F 344/N Rat MALE	0_PPM PUPS	250 PPM PUPS	500 PPM PUPS	1000 PPM PUPS	2000 PPM PUPS	4000 PPM PUPS
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)	(10)
Atrophy				1 (10%)	10 (100%)	10 (100%)
Testes	(10)	(0)	(0)	(10)	(10)	(10)
Germinal Epith, Hypoplasia	1 (10%)				10 (100%)	10 (100%)
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(0)	(0)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	10 (100%)			10 (100%)	10 (100%)	10 (100%)
Lymph Follic, Depletion Cellular						7 (70%)
Thymus	(10)	(0)	(0)	(0)	(10)	(10)
Atrophy						9 (90%)
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
Skeletal Muscle	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy						1 (10%)
NERVOUS SYSTEM						
Brain	(10)	(6)	(7)	(3)	(9)	(3)
Brain, Cerebrum	(0)	(4)	(3)	(7)	(1)	(7)
Developmental Malformation		4 (100%)	3 (100%)	7 (100%)	1 (100%)	7 (100%)
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(10)	(10)	(10)	(10)
Atrophy						10 (100%)
Mineralization			1 (10%)			1 (10%)

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

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F 344/N Rat MALE	0_PPM PUPS	250 PPM PUPS	500 PPM PUPS	1000 PPM PUPS	2000 PPM PUPS	4000 PPM PUPS
Nephropathy	6 (60%)		7 (70%)	3 (30%)	1 (10%)	1 (10%)

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

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F 344/N Rat FEMALE	0 PPM PUPS	250 PPM PUPS	500 PPM PUPS	1000 PPM PUPS	2000 PPM PUPS	4000 PPM PUPS
<b>Disposition Summary</b>						
<b>Animals Initially In Study</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>						
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)	(0)	(10)	(10)	(10)	(10)
Fatty Change				2 (20%)	1 (10%)	10 (100%)
Hematopoietic Cell Proliferation	3 (30%)		1 (10%)	5 (50%)	4 (40%)	8 (80%)
Hepatodiaphragmatic Nodule	4 (40%)		1 (10%)	1 (10%)	3 (30%)	3 (30%)
Inflammation, Chronic Active	4 (40%)		4 (40%)	4 (40%)	3 (30%)	
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Ovary	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy	4 (40%)	8 (80%)	7 (70%)	7 (70%)	10 (100%)	10 (100%)
Uterus	(10)	(0)	(0)	(10)	(10)	(10)
Atrophy					9 (90%)	10 (100%)
Vagina	(10)	(10)	(10)	(10)	(10)	(9)
<b>HEMATOPOIETIC SYSTEM</b>						
Spleen	(10)	(0)	(0)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	10 (100%)			10 (100%)	10 (100%)	10 (100%)

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

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Lymph Follic, Depletion Cellular					3 (30%)	5 (50%)
Thymus	(10)	(0)	(0)	(0)	(10)	(10)
Atrophy						7 (70%)
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
Skeletal Muscle	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(9)	(5)	(8)	(9)	(8)	(3)
Brain, Cerebrum	(1)	(5)	(2)	(1)	(2)	(7)
Developmental Malformation	1 (100%)	5 (100%)	2 (100%)	1 (100%)	2 (100%)	7 (100%)
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(10)	(10)
Atrophy						8 (80%)
Mineralization						1 (10%)
Nephropathy	3 (30%)				2 (20%)	

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

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