

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA46R: Summary of Gross Pathology with Litter Incidence
Test Compound: 2-Ethylhexyl p-Methoxycinnamate
CAS Number: 5466-77-3

Date Report Requested: 08/13/2020
Time Report Requested: 12:38:48
Lab: RTI

Study Number:

MOG003B

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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| | F0 Female | | | |
|---|------------------------|------|----------|------|
| | Treatment Groups (ppm) | | | |
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 26 | 26 | 26 | 26 |
| Early Deaths | | | | |
| Unscheduled Sacrifice | 1 | | | 1 |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (LD 28, SD 24 - 27) | 25 | 26 | 26 | 25 |
| Number of Animals Examined | 26 | 26 | 26 | 26 |
| ALIMENTARY SYSTEM | | | | |
| LIVER | (26) | (26) | (26) | (26) |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MILD | 1 (3.8%) | | | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |
| GENITAL SYSTEM | | | | |
| UTERUS | (26) | (26) | (26) | (26) |
| ENLARGED; MODERATE | | | 1 (3.8%) | |
| HEMATOLYMPHOID SYSTEM | | | | |
| None | | | | |
| INTEGUMENTARY SYSTEM | | | | |
| None | | | | |

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F1 Male: PND56 Bio- Male

| | Treatment Groups (ppm) | | | |
|---|-------------------------------|-------------|-------------|-------------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 5 | 5 | 5 | 5 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 56) | 5 | 5 | 5 | 5 |
| Number of Animals Examined | 5 | 5 | 5 | 5 |
| Total number litters | 5 | 5 | 5 | 5 |

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOLYMPHOID SYSTEM

None

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

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F1 Female: MGWM Females at VO

| | Treatment Groups (ppm) | | | |
|--|-------------------------------|-------------|-------------|-------------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 8 | 10 | 10 | 10 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 34 - 44) | 8 | 10 | 10 | 10 |
| Number of Animals Examined | 8 | 10 | 10 | 10 |
| Total number litters | 8 | 10 | 10 | 10 |

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOLYMPHOID SYSTEM

None

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

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F1 Female: MGWM Females at VO

Treatment Groups (ppm)

0

1000

3000

6000

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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F1 Male: Subchronic Male

| | Treatment Groups (ppm) | | | |
|--|------------------------|---------------|---------------|------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 10 | 10 | 10 | 10 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 110 - 112) | 10 | 10 | 10 | 10 |
| Number of Animals Examined | 10 | 10 | 10 | 10 |
| Total number litters | 10 | 10 | 10 | 10 |
| ALIMENTARY SYSTEM | | | | |
| LIVER | (10) | (10) | (10) | (10) |
| MEDIAL LOBE; RIGHT; DISCOLORATION; DARK, MILD | | | 1 (10.0%) [1] | |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MINIMAL | 1 (10.0%) [1] | | | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |
| GENITAL SYSTEM | | | | |
| EPIDIDYMIDES | (10) | (10) | (10) | (10) |
| LEFT; REDUCED IN SIZE; MILD | | 1 (10.0%) [1] | | |
| TESTES | (10) | (10) | (10) | (10) |
| LEFT; REDUCED IN SIZE; MILD | | 1 (10.0%) [1] | | |

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F1 Male: Subchronic Male

| | Treatment Groups (ppm) | | | |
|----------------------------------|-------------------------------|-------------|---------------|---------------|
| | 0 | 1000 | 3000 | 6000 |
| HEMATOLYMPHOID SYSTEM | | | | |
| LYMPH NODE, MANDIBULAR | (10) | (10) | (10) | (10) |
| BILATERAL; ENLARGED; MILD | | | | 1 (10.0%) [1] |
| INTEGUMENTARY SYSTEM | | | | |
| None | | | | |
| MUSCULOSKELETAL SYSTEM | | | | |
| None | | | | |
| NERVOUS SYSTEM | | | | |
| None | | | | |
| RESPIRATORY SYSTEM | | | | |
| None | | | | |
| SPECIAL SENSES SYSTEM | | | | |
| None | | | | |
| URINARY SYSTEM | | | | |
| KIDNEYS | (10) | (10) | (10) | (10) |
| PELVIS; RIGHT; DILATION; MILD | 2 (20.0%) [2] | | | |
| PELVIS; RIGHT; DILATION; MINIMAL | | | 1 (10.0%) [1] | |

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Lab: RTI

F1 Female: Subchronic Female

| | Treatment Groups (ppm) | | | |
|---|------------------------|---------------|---------------|---------------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 10 | 10 | 10 | 10 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 111 - 113) | 10 | 10 | 10 | 10 |
| Number of Animals Examined | 10 | 10 | 10 | 10 |
| Total number litters | 10 | 10 | 10 | 10 |
| ALIMENTARY SYSTEM | | | | |
| LIVER | (10) | (10) | (10) | (10) |
| MEDIAL LOBE; NODULE | | | 1 (10.0%) [1] | |
| CAUDATE PROCESS; REDUCED IN SIZE; MILD | | | | 1 (10.0%) [1] |
| SALIVARY GLANDS | (10) | (10) | (10) | (10) |
| RIGHT; MASS; FIRM | | 1 (10.0%) [1] | | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |

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F1 Female: Subchronic Female

| | Treatment Groups (ppm) | | | |
|--|-------------------------------|---------------|---------------|---------------|
| | 0 | 1000 | 3000 | 6000 |
| GENITAL SYSTEM | | | | |
| CLITORAL GLANDS | (10) | (10) | (10) | (10) |
| BILATERAL; DISCOLORATION; GREEN, MILD | | 1 (10.0%) [1] | | |
| BILATERAL; DISCOLORATION; MINIMAL, TAN | | | 1 (10.0%) [1] | |
| LEFT; DISCOLORATION; BROWN, MINIMAL | | 1 (10.0%) [1] | | |
| LEFT; DISCOLORATION; GREEN, MINIMAL | | | 1 (10.0%) [1] | |
| BILATERAL; ENLARGED; MILD | | 1 (10.0%) [1] | | |
| BILATERAL; ENLARGED; MINIMAL | 2 (20.0%) [2] | | 1 (10.0%) [1] | |
| UTERUS, CERVIX AND VAGINA | (10) | (10) | (10) | (10) |
| LEFT; CYST; CLEAR, MILD | 1 (10.0%) [1] | | | |
| HEMATOLYMPHOID SYSTEM | | | | |
| SPLEEN | (10) | (10) | (10) | (10) |
| NODULE; PALE | | | | 1 (10.0%) [1] |
| INTEGUMENTARY SYSTEM | | | | |
| None | | | | |
| MUSCULOSKELETAL SYSTEM | | | | |
| None | | | | |
| NERVOUS SYSTEM | | | | |
| None | | | | |
| RESPIRATORY SYSTEM | | | | |
| None | | | | |
| SPECIAL SENSES SYSTEM | | | | |
| None | | | | |

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F1 Female: Subchronic Female

Treatment Groups (ppm)

0

1000

3000

6000

URINARY SYSTEM

None

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Lab: RTI

F1 Male: Prenatal Male

| | Treatment Groups (ppm) | | | |
|---|------------------------|--------------|------|--------------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 21 | 23 | 20 | 22 |
| Early Deaths | | | 1 | |
| Unscheduled Sacrifice | | | 1 | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 112 - 114) | 21 | 23 | 19 | 22 |
| Number of Animals Examined | 21 | 23 | 20 | 22 |
| Total number litters | 21 | 23 | 19 | 22 |
| ALIMENTARY SYSTEM | | | | |
| None | | | | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |
| GENITAL SYSTEM | | | | |
| COWPERS GLANDS | (21) | (23) | (20) | (22) |
| RIGHT; REDUCED IN SIZE; MARKED | | | | 1 (4.5%) [1] |
| LEVATOR ANI PLUS BULBOCAVERNOSUS MUSCLE | (21) | (23) | (20) | (22) |
| NODULE; DARK | | 2 (8.7%) [2] | | |
| HEMATOLYMPHOID SYSTEM | | | | |
| None | | | | |

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F1 Female: Prenatal Female

| | Treatment Groups (ppm) | | | |
|--|------------------------|------|--------------|------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 21 | 23 | 19 | 22 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (GD 21, PND 109 - 132) | 21 | 23 | 19 | 22 |
| Number of Animals Examined | 21 | 23 | 19 | 22 |
| Total number litters | 19 | 23 | 19 | 20 |
| ALIMENTARY SYSTEM | | | | |
| LIVER | (21) | (23) | (19) | (22) |
| MEDIAN LOBE; DISCOLORATION; MILD, WHITE | 1 (4.8%) [1] | | | |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MILD | 1 (4.8%) [1] | | 1 (5.3%) [1] | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |
| GENITAL SYSTEM | | | | |
| None | | | | |
| HEMATOLYMPHOID SYSTEM | | | | |
| None | | | | |
| INTEGUMENTARY SYSTEM | | | | |
| None | | | | |

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F1 Male: Fertility Males

| | Treatment Groups (ppm) | | | |
|---|------------------------|--------------|--------------|--------------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 36 | 46 | 35 | 37 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 160 - 167) | 36 | 46 | 35 | 37 |
| Number of Animals Examined | 36 | 46 | 35 | 37 |
| Total number litters | 21 | 24 | 19 | 22 |
| ALIMENTARY SYSTEM | | | | |
| ESOPHAGUS | (36) | (46) | (35) | (37) |
| DILATION; MODERATE | 1 (2.8%) [1] | | | |
| INTESTINE, COLON | (36) | (46) | (35) | (37) |
| LESION; MILD | 1 (2.8%) [1] | | | |
| LIVER | (36) | (46) | (35) | (37) |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MARKED | | 1 (2.2%) [1] | | |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MINIMAL | | 1 (2.2%) [1] | 1 (2.9%) [1] | 1 (2.7%) [1] |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MODERATE | 1 (2.8%) [1] | | | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| ADRENAL GLANDS | (36) | (46) | (35) | (37) |
| LEFT; DISCOLORATION; MINIMAL, RED | 1 (2.8%) [1] | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |

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F1 Male: Fertility Males

| | Treatment Groups (ppm) | | | |
|--|------------------------|--------------|--------------|--------------|
| | 0 | 1000 | 3000 | 6000 |
| GENITAL SYSTEM | | | | |
| COWPERS GLANDS | (36) | (46) | (35) | (37) |
| LEFT; MISSING | | 1 (2.2%) [1] | | |
| RIGHT; MISSING | | 1 (2.2%) [1] | | |
| RIGHT; REDUCED IN SIZE; MARKED | | 2 (4.3%) [2] | | |
| RIGHT; REDUCED IN SIZE; MODERATE | 1 (2.8%) [1] | | | |
| EPIDIDYMIDES | (36) | (46) | (35) | (37) |
| LEFT; LESION; MILD, PALE | | | | 1 (2.7%) [1] |
| LEFT; REDUCED IN SIZE; MILD | | 1 (2.2%) [1] | | |
| RIGHT; REDUCED IN SIZE; MILD | | | | 1 (2.7%) [1] |
| PREPUTIAL GLANDS | (36) | (46) | (35) | (37) |
| BILATERAL; DISCOLORATION; GREEN, MILD | | 1 (2.2%) [1] | 1 (2.9%) [1] | |
| BILATERAL; DISCOLORATION; GREEN, MINIMAL | | 2 (4.3%) [2] | | |
| LEFT; DISCOLORATION; GREEN, MILD | 1 (2.8%) [1] | | 1 (2.9%) [1] | |
| LEFT; DISCOLORATION; GREEN, MINIMAL | | | | 1 (2.7%) [1] |
| RIGHT; DISCOLORATION; GREEN, MILD | | 1 (2.2%) [1] | | |
| RIGHT; DISCOLORATION; GREEN, MINIMAL | | 1 (2.2%) [1] | | |
| DISCOLORATION; GREEN, MINIMAL | 1 (2.8%) [1] | | | |
| BILATERAL; ENLARGED; MILD | | 1 (2.2%) [1] | 1 (2.9%) [1] | |
| LEFT; ENLARGED; MILD | 1 (2.8%) [1] | | 1 (2.9%) [1] | |
| LEFT; ENLARGED; MINIMAL | | | | 1 (2.7%) [1] |
| RIGHT; ENLARGED; MILD | | 1 (2.2%) [1] | | |
| RIGHT; ENLARGED; MINIMAL | | 1 (2.2%) [1] | | |
| LEFT; LESION; MINIMAL, TAN | 1 (2.8%) [1] | | | |
| RIGHT; LESION; MINIMAL, TAN | 1 (2.8%) [1] | 1 (2.2%) [1] | | |
| RIGHT; MISSING | | 1 (2.2%) [1] | | |
| RIGHT; NODULE; PALE | 1 (2.8%) [1] | | | |
| TESTES | (36) | (46) | (35) | (37) |

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F1 Male: Fertility Males

| | Treatment Groups (ppm) | | | |
|--|------------------------|--------------|------|--------------|
| | 0 | 1000 | 3000 | 6000 |
| LEFT; REDUCED IN SIZE; MILD | | 1 (2.2%) [1] | | |
| LEFT; REDUCED IN SIZE; MODERATE | | | | 1 (2.7%) [1] |
| RIGHT; REDUCED IN SIZE; MILD | | | | 1 (2.7%) [1] |
| VENTRAL PROSTATE | (36) | (46) | (35) | (37) |
| MISSHAPEN; MILD | | | | 1 (2.7%) [1] |
| REDUCED IN SIZE; MILD | | | | 1 (2.7%) [1] |
| HEMATOLYMPHOID SYSTEM | | | | |
| LYMPH NODE, CERVICAL | (36) | (46) | (35) | (37) |
| RIGHT; DISCOLORATION; MILD, YELLOW | | 1 (2.2%) [1] | | |
| RIGHT; ENLARGED; MILD | | 1 (2.2%) [1] | | |
| INTEGUMENTARY SYSTEM | | | | |
| None | | | | |
| MUSCULOSKELETAL SYSTEM | | | | |
| LIMB | (36) | (46) | (35) | (37) |
| HINDLIMB; RIGHT; FOCUS; MINIMAL, MULTIPLE, WHITE | 2 (5.6%) [2] | | | |
| HINDLIMB; RIGHT; LESION; MILD, ULCERATED | | 1 (2.2%) [1] | | |
| NERVOUS SYSTEM | | | | |
| None | | | | |
| RESPIRATORY SYSTEM | | | | |
| LUNGS | (36) | (46) | (35) | (37) |
| LEFT LOBE; NODULE; GREEN | 1 (2.8%) [1] | | | |
| SPECIAL SENSES SYSTEM | | | | |
| None | | | | |

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F1 Male: Fertility Males

| | Treatment Groups (ppm) | | | |
|----------------------------------|-------------------------------|--------------|--------------|-------------|
| | 0 | 1000 | 3000 | 6000 |
| URINARY SYSTEM | | | | |
| KIDNEYS | (36) | (46) | (35) | (37) |
| AMPUTATION | | 1 (2.2%) [1] | | |
| RIGHT; PELVIS; DILATION; MILD | | | 1 (2.9%) [1] | |
| RIGHT; PELVIS; DILATION; MINIMAL | 1 (2.8%) [1] | 1 (2.2%) [1] | 1 (2.9%) [1] | |

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F1 Female: Fertility Females

| | Treatment Groups (ppm) | | | |
|---|------------------------|------|--------------|--------------|
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 36 | 46 | 35 | 38 |
| Early Deaths | | | | |
| Euthanized, moribund | | | | 1 |
| Unscheduled Sacrifice | | | 1 | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (GD 44 - 49, LD 14 - 28, PND 151 - 154) | 36 | 46 | 34 | 37 |
| Number of Animals Examined | 36 | 46 | 35 | 38 |
| Total number litters | 20 | 24 | 19 | 21 |
| ALIMENTARY SYSTEM | | | | |
| LIVER | (36) | (46) | (35) | (38) |
| MEDIAL LOBE; HEPATODIAPHRAGMATIC NODULE; MILD | 1 (2.8%) [1] | | | |
| HEPATODIAPHRAGMATIC NODULE; MILD | 1 (2.8%) [1] | | | |
| SURFACE; IRREGULAR | | | | 1 (2.6%) [1] |
| REDUCED IN SIZE; MILD | | | | 1 (2.6%) [1] |
| CARDIOVASCULAR SYSTEM | | | | |
| HEART | (36) | (46) | (35) | (38) |
| ATRIUM; BILATERAL; DISCOLORATION; DARK, MODERATE, MULTIPLE | | | 1 (2.9%) [1] | |
| DISCOLORATION; DARK, MODERATE, MULTIPLE | | | 1 (2.9%) [1] | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |

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F1 Female: Fertility Females

| | Treatment Groups (ppm) | | | |
|-------------------------------------|-------------------------------|--------------|--------------|--------------|
| | 0 | 1000 | 3000 | 6000 |
| GENITAL SYSTEM | | | | |
| CLITORAL GLANDS | (36) | (46) | (35) | (38) |
| LEFT; DISCOLORATION; GREEN, MINIMAL | | 1 (2.2%) [1] | | |
| LEFT; DISCOLORATION; MILD, TAN | | | 1 (2.9%) [1] | |
| UTERINE HORN | (36) | (46) | (35) | (38) |
| LEFT; CYST; MILD | | 1 (2.2%) [1] | | |
| UTERUS | (36) | (46) | (35) | (38) |
| RIGHT; CYST; CLEAR, MINIMAL | | 2 (4.3%) [2] | | 1 (2.6%) [1] |
| RIGHT; CYST; MILD | | | | 1 (2.6%) [1] |
| HEMATOLYMPHOID SYSTEM | | | | |
| None | | | | |
| INTEGUMENTARY SYSTEM | | | | |
| MAMMARY GLANDS | (36) | (46) | (35) | (38) |
| AXILLARY; LEFT; MASS; FIRM | | 1 (2.2%) [1] | | |
| SKIN | (36) | (46) | (35) | (38) |
| SHOULDER; RIGHT; ALOPECIA; MILD | | | | 1 (2.6%) [1] |
| MUSCULOSKELETAL SYSTEM | | | | |
| None | | | | |
| NERVOUS SYSTEM | | | | |
| None | | | | |
| RESPIRATORY SYSTEM | | | | |
| None | | | | |
| SPECIAL SENSES SYSTEM | | | | |
| None | | | | |

Study Number: MOG003B
 Test Type: MOG
 Route: Dosing in Feed
 Species/Strain: Rat/Sprague-Dawley

PA46R: Summary of Gross Pathology with Litter Incidence
 Test Compound: 2-Ethylhexyl p-Methoxycinnamate
 CAS Number: 5466-77-3

Date Report Requested: 08/13/2020
 Time Report Requested: 12:38:48
 Lab: RTI

| | F2 Male | | | |
|--|------------------------|--------------|--------------|--------------|
| | Treatment Groups (ppm) | | | |
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 94 | 135 | 86 | 96 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 28) | 94 | 135 | 86 | 96 |
| Number of Animals Examined | 94 | 135 | 86 | 96 |
| Total number litters | 25 | 32 | 21 | 23 |
| ALIMENTARY SYSTEM | | | | |
| LIVER | (94) | (135) | (86) | (96) |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MINIMAL | | 1 (0.7%) [1] | | 3 (3.1%) [2] |
| HEPATODIAPHRAGMATIC NODULE; MILD | | 1 (0.7%) [1] | | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |
| GENITAL SYSTEM | | | | |
| TESTES | (94) | (135) | (86) | (96) |
| ARTERY; BILATERAL; MISSHAPEN; MODERATE | | | 1 (1.2%) [1] | |
| ARTERY; RIGHT; MISSHAPEN; MILD | | 1 (0.7%) [1] | | |
| ARTERY; RIGHT; MISSHAPEN; MODERATE | 1 (1.1%) [1] | | | |
| LEFT; ARTERY; MISSHAPEN; MODERATE | 1 (1.1%) [1] | | 1 (1.2%) [1] | |
| BILATERAL; REDUCED IN SIZE; MODERATE | | | | 1 (1.0%) [1] |

Study Number: MOG003B
Test Type: MOG
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Species/Strain: Rat/Sprague-Dawley

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| | F2 Male | | | |
|--------------------------------|-------------------------------|-------------|-------------|--------------|
| | Treatment Groups (ppm) | | | |
| | 0 | 1000 | 3000 | 6000 |
| HEMATOLYMPHOID SYSTEM | | | | |
| LYMPH NODE, AXILLARY | (94) | (135) | (86) | (96) |
| LEFT; SUBCUTANEOUS; MASS; PALE | | | | 1 (1.0%) [1] |
| INTEGUMENTARY SYSTEM | | | | |
| None | | | | |
| MUSCULOSKELETAL SYSTEM | | | | |
| None | | | | |
| NERVOUS SYSTEM | | | | |
| None | | | | |
| RESPIRATORY SYSTEM | | | | |
| None | | | | |
| SPECIAL SENSES SYSTEM | | | | |
| None | | | | |
| URINARY SYSTEM | | | | |
| KIDNEYS | (94) | (135) | (86) | (96) |
| LEFT; FOCUS; 2, MILD, RED | | | | 1 (1.0%) [1] |

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA46R: Summary of Gross Pathology with Litter Incidence
Test Compound: 2-Ethylhexyl p-Methoxycinnamate
CAS Number: 5466-77-3

Date Report Requested: 08/13/2020
Time Report Requested: 12:38:48
Lab: RTI

| | F2 Female | | | |
|--|------------------------|-------|--------------|--------------|
| | Treatment Groups (ppm) | | | |
| | 0 | 1000 | 3000 | 6000 |
| Disposition Summary | | | | |
| Animals Initially In Study | 110 | 125 | 85 | 102 |
| Early Deaths | | | | |
| Scheduled Deaths | | | | |
| Scheduled sacrifice, terminal (PND 28) | 110 | 125 | 85 | 102 |
| Number of Animals Examined | 110 | 125 | 85 | 102 |
| Total number litters | 24 | 32 | 20 | 23 |
| ALIMENTARY SYSTEM | | | | |
| LIVER | (110) | (125) | (85) | (102) |
| MEDIAL LOBE; HEPATODIAPHRAGMATIC NODULE; MINIMAL | 1 (0.9%) [1] | | | |
| MEDIAN LOBE; HEPATODIAPHRAGMATIC NODULE; MINIMAL | 1 (0.9%) [1] | | | 1 (1.0%) [1] |
| MEDIAL LOBE; LEFT; MISSHAPEN; MILD | | | 1 (1.2%) [1] | |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |
| GENITAL SYSTEM | | | | |
| None | | | | |
| HEMATOLYMPHOID SYSTEM | | | | |
| None | | | | |
| INTEGUMENTARY SYSTEM | | | | |
| None | | | | |

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA46R: Summary of Gross Pathology with Litter Incidence
Test Compound: 2-Ethylhexyl p-Methoxycinnamate
CAS Number: 5466-77-3

Date Report Requested: 08/13/2020
Time Report Requested: 12:38:48
Lab: RTI

F2 Female

Treatment Groups (ppm)

0

1000

3000

6000

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

Study Number: MOG003B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

PA46R: Summary of Gross Pathology with Litter Incidence
Test Compound: 2-Ethylhexyl p-Methoxycinnamate
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LEGEND

Number of animals examined for each tissue shown in parentheses. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. The exception to this is if statistical significance is found for a lesion and the control group has no animals with the lesion then a 0 is included for the control group on the table for that lesion.

Number (percent) of animals affected given for each observation

Number of litters with observations shown in square brackets for F1 and F2 animals. F1 litter incidence based on the number of F0 dams; F2 litter incidence based on number of F1 dams.

Phase day range of terminal sacrifice shown in parentheses in disposition summary

All trend and pairwise p-values are reported as one-sided.

Non-pregnant females from the F0 and F1 generations are included in the analysis.

Lesions in the F0 generation and F1 subchronic, prenatal, and PND56 Bio animals were analyzed using the Cochran-Armitage (trend) and Fisher Exact (pairwise) tests.

Lesions in the F1 fertility cohort and in the F2 generation were analyzed using a Cochran-Armitage test with a Rao-Scott modification for the random effect due to litter.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Scheduled sacrifice GD days greater than 21 are for females that did not litter, but were found pregnant at necropsy and had been retained in case they were needed for an additional breeding.

**** END OF REPORT ****