

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:16

First Dose M/F: NA / NA

Lab: NIEHS

C Number:

C92005

Lock Date:

Not Entered.

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Both

PWG Approval Date

NONE

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CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:16

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male
0PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1
	8	8	9	9	9	9	9	9	9
	7	7	0	1	2	2	2	3	4
	2	3	7	4	4	5	7	6	0
	*TOTALS								

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	9	
Hematopoietic Cell Proliferation			1							1	1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	9	
Cardiomyopathy	1									1	1.0

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	9
Testes	+	+	+	+	+	+	+	+	+	9

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	9
--------	---	---	---	---	---	---	---	---	---	---

Integumentary System

NONE

Musculoskeletal System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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F 344/N Rat Male
0PPM

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0			
	9	9	9	9	9	9	9	9	9			
	4	4	4	4	4	4	4	4	4			
	ANIMAL ID											
	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1			
	8	8	9	9	9	9	9	9	9			
	7	7	0	1	2	2	2	3	4			
	2	3	7	4	4	5	7	6	0			
										*TOTALS		
Bone	+	+	+	+	+	+	+	+	+		9	
Nervous System												
NONE												
Respiratory System												
Larynx	+	+	+	+	+	+	+	+	+		9	
Lung	+	+	+	+	+	+	+	+	+		9	
Inflammation, Chronic			1		1	1			1		4	1.0
Metaplasia, Osseous					1						1	1.0
Nose	+	+	+	+	+	+	+	+	+		9	
Special Senses System												
NONE												
Urinary System												
Kidney	+	+	+	+	+	+	+	+	+		9	
Nephropathy	1	1	1		1				1		5	1.0

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Lab: NIEHS

F 344/N Rat Male
0.5PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	9	9	9	9
	5	6	7	7	9	9	0	0	0	3
	4	4	4	9	6	8	4	8	9	3
	*TOTALS									

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

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+ ..Tissue examined microscopically

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0.5PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	8	8	8	8	8	8	9	9	9	9	
	5	6	7	7	9	9	0	0	0	3	
	4	4	4	9	6	8	4	8	9	3	*TOTALS

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Respirat Epith, Hyperplasia		1	1			1			1	1	5 1.0

Special Senses System

NONE

Urinary System

NONE

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First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male
1PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	9	9	9	9	9	9
	5	6	7	9	0	1	1	2	2	3
	6	1	1	0	6	5	9	1	3	0
	*TOTALS									

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

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1PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	8	8	8	8	9	9	9	9	9	9	
	5	6	7	9	0	1	1	2	2	3	
	6	1	1	0	6	5	9	1	3	0	*TOTALS

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10	
Respirat Epith, Hyperplasia	2	1	2	1	1	2	1	1	2	1	10	1.4
Respirat Epith, Metaplasia, Squamous	2	2	2	2	1	2	1	1	2	1	10	1.6

Special Senses System

NONE

Urinary System

NONE

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Date Report Requested: 10/22/2014

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First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male
2PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	9	9	9	9	9
	6	6	6	6	6	0	1	4	4	4
	0	2	5	6	9	3	8	1	3	8

*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X								1

Cardiovascular System

Heart	+	M	+	+	+	+	+	+	+	+	9
Cardiomyopathy							1				1 1.0

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	M	+	+	M	8
Inflammation, Chronic									1		1 1.0
Testes	+	+	M	+	+	+	+	+	+	+	9
Seminif Tub, Degeneration							1				1 1.0

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

Integumentary System

NONE

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	9	9	9	9	9
	6	6	6	6	6	0	1	4	4	4
	0	2	5	6	9	3	8	1	3	8

*TOTALS

Musculoskeletal System

Bone + + + + + + + + + + 10

Nervous System

NONE

Respiratory System

Larynx + + + + + + + + + + 10

Glands, Inflammation, Acute 1 1 1.0

Inflammation, Chronic 1 1.0

Lung + + + + + + + + + + 10

Inflammation, Chronic 1 1 1 1 1 1 1 6 1.0

Metaplasia, Osseous 1 1 1.0

Nose + + + + + + + + + + 10

Inflammation, Chronic 1 1 1 1 1 1 1 1 1 10 1.0

Olfactory Epi, Metaplasia 2 2 2 2 2 2 2 2 2 2 10 2.0

Olfactory Epi, Mineralization 1 1 1 1 1 1 1 2 7 1.1

Olfactory Epi, Necrosis 3 3 3 3 3 3 3 3 3 3 10 3.0

Olfactory Epi, Regeneration 2 2 2 2 2 2 2 2 2 2 10 2.0

Respirat Epith, Hyperplasia 3 3 3 3 3 2 3 3 3 2 10 2.8

Respirat Epith, Metaplasia, Squamous 3 3 3 3 2 3 3 3 3 3 10 2.9

Respirat Epith, Mineralization 1 1 1.0

Special Senses System

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First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male
2PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	8	8	8	8	8	9	9	9	9	9	
	6	6	6	6	6	0	1	4	4	4	
	0	2	5	6	9	3	8	1	3	8	*TOTALS

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic					2						1 2.0
Nephropathy		1	1			1	1	1			5 1.0
Pelvis, Inflammation, Chronic								1			1 1.0

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Test Type: 90-DAY

Species/Strain: Rat/F 344/N

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Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:16

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female
OPPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	2	2	2	2	2
	9	9	9	9	9	0	0	0	0	0
	5	6	7	9	9	0	0	1	2	3
	2	6	0	3	8	6	9	4	3	3
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation				1							1 1.0
Inflammation, Chronic						1	1				2 1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy									1		1 1.0

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

Integumentary System

NONE

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OPPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	2	2	2	2	2
	9	9	9	9	9	0	0	0	0	0
	5	6	7	9	9	0	0	1	2	3
	2	6	0	3	8	6	9	4	3	3
	*TOTALS									

Musculoskeletal System

Bone + + + + + + + + + + 10

Nervous System

NONE

Respiratory System

Larynx + + + + + + + + + + 10

Inflammation, Acute 1 1.0

Inflammation, Chronic 1 2 1 3 1.3

Lung + + + + + + + + + + 10

Inflammation, Chronic 1 1 2 1.0

Nose + + + + + + + + + + 10

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + 10

Nephropathy 1 1 1.0

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Lab: NIEHS

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0.5PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	2	2	2	2	2
	9	9	9	9	9	0	0	0	0	0
	5	7	8	8	9	1	2	2	3	4
	1	4	1	3	7	1	1	4	7	2
	*TOTALS									

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

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 0.5PPM

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	2	2	2	2	2
	9	9	9	9	9	0	0	0	0	0
	5	7	8	8	9	1	2	2	3	4
	1	4	1	3	7	1	1	4	7	2
	*TOTALS									

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic			1								1 1.0
Respirat Epith, Hyperplasia					1	1					2 1.0

Special Senses System

NONE

Urinary System

NONE

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Lab: NIEHS

F 344/N Rat Female
1PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	2	2	2	2	2
	9	9	9	9	9	0	0	0	0	0
	5	5	7	8	9	1	2	3	3	3
	5	7	6	2	0	6	5	7	0	8
	*TOTALS									

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:17

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female
1PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	2	2	2	2	
	9	9	9	9	9	9	0	0	0	0	
	5	5	7	8	9	9	1	2	3	3	
	5	7	6	2	0	6	5	7	0	8	*TOTALS

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic										2	1 2.0
Respirat Epith, Hyperplasia	1	1		1	1	1	1	1	1		9 1.0
Respirat Epith, Metaplasia, Squamous	1	1		1	1		1	1	1		8 1.0

Special Senses System

NONE

Urinary System

NONE

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Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:17

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female
2PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	2	2	2	2
	9	9	9	9	9	9	0	0	0	0
	5	6	6	6	7	9	1	2	4	4
	4	0	5	9	9	9	7	9	4	9
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic				1		1			1		3	1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy	1										1	1.0

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Hydrometra								2			1	2.0

Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10	
--------	---	---	---	---	---	---	---	---	---	---	----	--

Integumentary System

NONE

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Lab: NIEHS

F 344/N Rat Female
2PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	2	2	2	2
	9	9	9	9	9	9	0	0	0	0
	5	6	6	6	7	9	1	2	4	4
	4	0	5	9	9	7	9	4	4	9
	*TOTALS									

Musculoskeletal System

Bone + + + + + + + + + + 10

Nervous System

NONE

Respiratory System

Larynx + + + + + + + + + + 10

Foreign Body 1 1 1.0

Inflammation, Acute 1 1.0

Inflammation, Chronic 1 1.0

Lung + + + + + + + + + + 10

Inflammation, Chronic 1 1 1 3 1.0

Metaplasia, Osseous 1 1 1.0

Nose + + + + + + + + + + 10

Inflammation, Chronic 1 1 1 1 1 1 1 1 1 9 1.0

Olfactory Epi, Metaplasia 1 1 1 1 1 1 1 1 1 10 1.0

Olfactory Epi, Mineralization 1 1 1 1 6 1.0

Olfactory Epi, Necrosis 3 3 2 3 3 3 3 3 3 10 2.9

Olfactory Epi, Regeneration 2 2 1 1 1 1 2 1 1 2 10 1.4

Respirat Epith, Hyperplasia 2 2 2 2 2 3 3 2 1 2 10 2.1

Respirat Epith, Metaplasia, Squamous 1 2 2 2 2 2 2 2 2 10 1.9

Special Senses System

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Species/Strain: Rat/F 344/N

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Test Compound: Methyl vinyl ketone

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First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female
2PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	2	2	2	2	
	9	9	9	9	9	9	0	0	0	0	
	5	6	6	6	7	9	1	2	4	4	
	4	0	5	9	9	9	7	9	4	9	*TOTALS

Special Senses System

NONE

Urinary System

Kidney

+ + + + + + + + + + 10

** END OF REPORT **

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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