

FFT

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Version: R1.1
Revision Date: 2015-05-28

1. IDENTIFICATION OF THE SUBSTANCE / APPLICATION AND THE COMPANY

Supplier: Maxima Racing Oils 9266 Abraham Way Santee, CA 92071 USA +1 619 449 5000	Product Name: FFT Article Number: 60901 Applications: Air Filter Oil Emergency Telephone: CHEMTREC +1 703 527 3887 (24 hours)
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2. HAZARDS IDENTIFICATION

GHS Classification

Aspiration Toxicity	Category 1
Skin Irritation	Category 2
Chronic Aquatic Toxicant	Category 2
Flammable Liquids	Category 2

GHS Symbol



Signal Word

Danger!

Hazard Statements

H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention	P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P233 Keep container tightly closed, P264: Wash hands and arms thoroughly after handling P280 Wear protective gloves P261 Avoid breathing dust/fume/gas/mist/vapours/spray P271 Use only outdoors or in a well-ventilated area, P273 Avoid release to the environment
Response	P301 + P310: If swallowed immediately call a POISON CENTER or doctor/physician P331 Do NOT induce vomiting P302 + P352: IF ON SKIN - wash with plenty of soap and water P332 + P313: If skin irritation occurs get medical attention/advice P362 Take off contaminated clothing and wash before reuse P304 + P340: IF INHALED remove victim to fresh air and keep at rest in a position comfortable for breathing P370 + P378: In case of fire: Use water fog or foam, dry chemical or carbon

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- dioxide (CO₂) to extinction P391: Collect spillage
- Storage** P403 + 233: Store in a well-ventilated place. Keep container tightly closed, P405: Store locked up, P235: Keep cool
- Disposal** P501 Dispose of contents in accordance with local / regional / national / international regulations
- Other Hazards** Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Content %	CAS Number
Solvent (Petroleum) Light Aliphatic	<50	64742-89-8
Butene Polymer	15-25	9003-29-6
Distillates, Hydrotreated Heavy Paraffinic	25-35	64742-54-7

4. FIRST-AID MEASURES

- Inhalation** If inhaled remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if coughing or respiratory discomfort occurs.
- Skin Contact** No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. Wash skin with plenty of soap and water. Remove clothing and shoes if contaminated. Discard contaminated clothing and shoes or thoroughly clean before reuse.
- Eye Contact** No specific first aid measures are required because this material is not expected to cause eye irritation. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists – get medical attention/advice and call a physician.
- Ingestion** May be fatal if swallowed and enters airways. If swallowed immediately call a POISON CENTER. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
- Important Symptoms and Indication of Medical Attention Needed** Aspiration hazard.
Symptomatic treatment. No specific antidote known
- Notes to Physician** Do not induce vomiting. Treat appropriately

5. FIRE FIGHTING MEASURES

- Extinguishing Media** Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.
- Special Hazards** This material will burn although it is not easily ignited. Minimize breathing of



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gases, vapor, fumes or decomposition products. Harmful smoke consisting of carbon oxides formed during the fire.

Protective equipment Use smoke diving equipment (fire suit, breathing apparatus) when fighting fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Eliminate all sources of ignition in vicinity of spilled material. Wear chemical resistant gloves. See also: "Personal Protection "section 8.

Environmental Precautions Toxic to aquatic life with long lasting effects. Prevent discharge to sewer of greater quantity. Contain release to prevent further contamination of soil, surface water or groundwater.

Methods/Materials for Cleaning up Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulation. Dike with sand or earth and collect. Collected material is handled in accordance with section 13 "Disposal Considerations".

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Wear recommended protective equipment. Practice good personal hygiene after handling.

Conditions for Safe Storage Store locked up and in closed containers of proper construction. Store away from sources of ignition and in areas of good ventilation. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Solvent (Petroleum) Light Aliphatic	(TWA 500 ppm), OSHA Z-1
	Butene Polymer	There are no established occupational exposure limits for this material
	Distillates, Hydrotreated Heavy Paraffinic	(TWA 5mg/m ³)
Appropriate Engineering Controls	Use care in the areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.	



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Respiratory Protection: Use NIOSH / MSHA approved respirator with organic vapor cartridge and dust / mist cartridge is recommended if limit is exceeded. Use of a self-contained breathing apparatus for confined entry is recommended.

Eye Protection: Safety glasses, goggles or face shield recommended.

Skin/Body Protection: No special protective clothing is normally required. If there is a potential for skin contact, wear a long sleeve t-shirt and apron. Neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

Hand Protection: Use nitrile or neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Blue
Odor	Hydrocarbon odor
Odor Threshold	No data available
pH	No data available
Freezing Point	No data available
Boiling Point	93-116°C
Flash Point	<35°C
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper Explosion Limit	No data available
Lower Explosion Limit	No data available
Vapor Pressure	>80 hPa @ 38°C / 4.1 kPa @ 20°C
Vapor Density (Air=1)	>2
Relative Density	750 kg/m ³
Solubility	Soluble in hydrocarbons; insoluble in water
Partition Coefficient: n-octanol/water	No data available
Auto Ignition Temperature	<35°C
Decomposition Temperature	No data available
Specific Gravity	0.75 @ 15.6°C
Volatile Organic Compounds (VOC)	No data available
Viscosity	< 7 cSt @40°C

10. STABILITY AND REACTIVITY

Reactivity No dangerous reaction known under conditions of normal use.



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Chemical Stability	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	Avoid temperatures over 120°F, open flames and sparks.
Incompatible Materials	May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition Product	None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

	64742-89-8 Solvent (Petroleum) Light Aliphatic
Oral	LD50 (rat, male and female) : >5,000 mg/kg Method: OECD Test Guideline 401 GLP: Yes
Inhalation	Assessment: The component/mixture is low toxic after short term inhalation
Dermal	LD50 (rabbit, male and female) : >2,000 mg/kg Method: OECD Test Guideline 402 GLP: Yes
	9003-29-6 Butene Polymer
Oral	LD50 (rat, male and female) : >10,000 mg/kg Method: OECD Test Guideline 401
Inhalation	LC50 (rat, male and female) : > 19.171 mg/l > 4185 ppm / 4 hour period Method: US EPA-method
Dermal	LD50 (rabbit, male and female): >2,000 mg/kg Method: OECD Test Guideline 402
	64742-54-7 Distillates, Hydrotreated Heavy Paraffinic
Oral	LD50 (rat, male and female) : >5 g/kg
Inhalation	The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components
Dermal	LD50 (rabbit, male and female): >5 g/kg

Irritation

	64742-89-8 Solvent (Petroleum) Light Aliphatic
Dermal	Species: Rabbit Duration: 4 hours Result: Irritating to skin
Eye	Species: Rabbit Result: Irritating to eyes



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- 9003-29-6 Butene Polymer**
- Dermal Species: Rabbit
Result: Slightly irritating
Method: OECD Test Guideline 404
- Eye Species: Rabbit
Result: Not irritating
Method: OECD Test Guideline 405
- 64742-54-7 Distillates, Hydrotreated Heavy Paraffinic**
- Dermal For a 24-hour exposure, the Primary Irritation Score (PIS) is rabbits is 0.2/8.0
- Eye The mean 24-hour Draize eye irritation score in rabbits is 4.0/110

Sensitization

- 64742-89-8 Solvent (Petroleum) Light Aliphatic**
- Dermal Test Type: Buehler Test
Species: Guinea Pig
Results: Did not cause sensitization on laboratory animals
- Inhalation Test Type: Buehler Test
Species: Guinea Pig
Results: Did not cause sensitization on laboratory animals
- 9003-29-6 Butene Polymer**
- Dermal No sensitization expected
- Inhalation Sensitizing to the respiratory tract not known
- 64742-54-7 Distillates, Hydrotreated Heavy Paraffinic**
- Dermal Test Type: Buehler Test
Species: Guinea Pig
Results: Did not cause sensitization on laboratory animals
- Inhalation Test Type: Buehler Test
Species: Guinea Pig
Results: Did not cause sensitization on laboratory animals

Single Exposure

- 64742-89-8 Solvent (Petroleum) Light Aliphatic**
- Inhalation Target Organs: Central nervous system
Assessment: May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.
- 9003-29-6 Butene Polymer**
- Oral No data available
- Dermal No data available
- Inhalation No data available
- 64742-54-7 Distillates, Hydrotreated Heavy Paraffinic**



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Oral Not expected to be a hazard
Dermal Not expected to be a hazard
Inhalation Not expected to be a hazard

Repeated Exposure

64742-89-8 Solvent (Petroleum) Light Aliphatic
Inhalation Species: Rat 100 mg/kg daily over 13 weeks
6 hours/day, 5 days/week
NOAEL: 1402
Target Organ/effect: Kidney
Symptoms: Nasal and ocular discharge

9003-29-6 Butene Polymer
Oral Species: Rat 100 mg/kg daily over 4 weeks
NOAEL: 300 mg/kg
Target Organ/effect: Kidney, Liver
Method: OECD Test Guideline 407

Dermal No data available

Inhalation Species: Rat over 90 days
5 days/week, 6 hours/day
NOAEL: 1.0 mg/l
Target Organ/effect: Kidney
Method: OECD TG 422 / 413

64742-54-7 Distillates, Hydrotreated Heavy Paraffinic
Oral Not expected to be a hazard
Dermal Not expected to be a hazard
Inhalation Not expected to be a hazard

Aspiration Toxicity

64742-89-8 Solvent (Petroleum) Light Aliphatic
Aspiration Toxicity – Category 1

9003-29-6 Butene Polymer
Aspiration Toxicity – Category 1
May be fatal if swallowed and enters airways

64742-54-7 Distillates, Hydrotreated Heavy Paraffinic
Not considered an aspiration hazard

Carcinogenicity

Carcinogenicity – assessment **64742-89-8 Solvent (Petroleum) Light Aliphatic**
Possible human carcinogen

Carcinogenicity – assessment **9003-29-6 Butene Polymer**
No test results are on file regarding carcinogenicity

Carcinogenicity – assessment **64742-54-7 Distillates, Hydrotreated Heavy Paraffinic**
Product contains mineral oils of types shown to be non-carcinogenic



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in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC)

Germ Cell Mutagenicity

	64742-89-8 Solvent (Petroleum) Light Aliphatic
Genotoxicity in vitro	Test Type: Ames test Metabolic Activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: Positive GLP: No data available
Genotoxicity in vivo	Test Type: In vivo micronucleus test Test Species: rat (male and female) Application Route: Inhalation Exposure Time: 6 hours/day Dose: 0, 2000, 10000, 20000 mg/m ² Result: positive GLP: yes
Germ Cell Mutagenicity – Assessment	Positive result(s) from in vivo heritable germ cell mutagenicity tests in mammals
	9003-29-6 Butene Polymer
Genotoxicity in vitro	Test Type: Ames test S. typhimurium / E. coli Result: No evidence of mutagenic effects Metabolic activation: with or without Method: OECD TG 471
Genotoxicity in vivo	Test Type: Chromosomal aberration Test Species: rat Application Route: Inhalation Method: US-EPA-method
Germ Cell Mutagenicity – Assessment	Result: Negative
	64742-54-7 Distillates, Hydrotreated Heavy Paraffinic
Germ Cell Mutagenicity – Assessment	Not considered a mutagenic hazard

Reproductive Toxicity

Reproductive toxicity – assessment	64742-89-8 Solvent (Petroleum) Light Aliphatic Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments
Reproductive toxicity – assessment	9003-29-6 Butene Polymer Screening for reproductive/developmental toxicity Oral Rat 100, 300, 1000 mg/kg

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Daily exposure
NOEL: 1000 mg/kg
Method: OECD 421
64742-54-7 Distillates, Hydrotreated Heavy Paraffinic
Reproductive toxicity – assessment Not expected to be a hazard

**ADDITIONAL TOXICOLOGY
INFORMATION**

NOEL(No Observed Effect Level)
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Material Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Biodegradation Readily biodegradable. Oxidizes rapidly by photochemical reactions in the air.

Acute Toxicity 10<LC/EC/IC50 <= 100 mg /l.

Bioaccumulation Has the potential to bio accumulate in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal Unused and Hazardous Waste (SFS 2001:1063, Waste Regulation).
Used Product Waste: 13 02 05 (explanation: engine, gear and lubricating oils, mineral-based non-chlorinated engine, gear and lubricating oils). If spillage or waste can't be recycled in-house (note: permit requirements) contact the municipality or the County Board approved contractor.

Note that the classification of waste is the responsibility of the user.
Completely emptied containers can be left for recycling. Put the emptied container upside down to drain. Collect the remaining contents for use alt



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16. OTHER INFORMATION

Date of Revision: May 28, 2015

Date of Previous Revision: August 2004

Revision History:

5/28/15: Converted to GHS format. All section revised

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.