

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: MFA OIL FULL SYNTHETIC MULTI-VEHICLE ATF
Product Code: FAFSDMPL, FAFSDM55, ATF00018

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Automatic Transmission Fluid
Recommended restrictions: Not applicable

1.3. Details of the supplier of the safety data sheet

Manufacturer: MFA Oil Company
 One Ray Young Drive
 Columbia, MO 65201
Information Phone: (800) 827-0116
E-mail: sds@wd-wpp.com

1.4. Emergency telephone number

Emergency phone number: CHEMTREC: +1 (800) 424-9300
 International: +01 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Sensitisation Category 1

2.2. Label elements

GHS Hazard Symbols



Signal Word	Warning
Hazard Statements	May cause an allergic skin reaction.
Precautionary Statements	
Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P321 - Specific treatment (see section 4). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
Disposal	P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Hazards not otherwise classified: Avoid prolonged or repeated skin contact with used fluid.

Unknown acute toxicity (GHS-US)

Unknown Acute Toxicity (Gas): 21.608964 % of the mixture consists of ingredient(s) of unknown toxicity.

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SECTION 3: Composition/information on ingredients

Chemical Name	%	CAS #	GHS Classification
reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates	0.1 - 1		Aquatic Chronic 3; H412 Skin Irrit. 2; H315 Skin Sens. 1; H317

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eyes	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Not determined

4.3. Indication of any immediate medical attention and special treatment needed

Note to Doctor No additional first aid information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable and Unsuitable Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

5.2. Special hazards arising from the substance or mixture

Fire and/or Explosion Hazards Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

5.3. Advice for firefighters

Fire Fighting Methods and Protection Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

Hazardous Combustion Products Carbon dioxide, Carbon monoxide

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General Measures: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

6.2. Environmental precautions

No data available.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Isolate from incompatible materials.

Incompatible materials

See Section 10.

7.3. Specific end use(s)

Automatic Transmission Fluid

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Occupational Exposure Limits	Value
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	OSHA PEL	5 mg/m ³
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	OSHA PEL	5 mg/m ³
Oil mist, mineral	OSHA PEL	5 mg/m ³
Oil mist, mineral	OSHA PEL	5 mg/m ³
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	ACGIH TLV-TWA	5 mg/m ³
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	ACGIH TLV-TWA	5 mg/m ³
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m ³
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m ³
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	ACGIH STEL	10 mg/m ³
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	ACGIH STEL	10 mg/m ³
Oil mist, mineral	ACGIH STEL	10 mg/m ³
Oil mist, mineral	ACGIH STEL	10 mg/m ³
None.	IDLH	
None.	OSHA PEL-Skin Notation	

8.2. Exposure controls

Engineering Measures

Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Respiratory Protection

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirator Type(s)

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves

Polyvinyl chloride, Impervious rubber

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Red
Odor	Mild

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9.1. Information on basic physical and chemical properties

Odor threshold	Not determined
pH	Not determined
Freezing point	Not determined
Boiling Point	Not determined
Flash Point	204
Flash Point Method	COC
Evaporation Rate	Not determined
Upper Flammable/Explosive Limit, % in air	Not established
Lower Flammable/Explosive Limit, % in air	Not established
Flammability (solid, gas)	Not applicable
Vapor pressure	Not determined
Vapor Density	Not determined
Relative Density	0.85
Solubility in Water	Negligible; 0-1%
Octanol/Water Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity(°C)	33.64
9.2. Other information	
Volatiles, % by weight	0.000000

SECTION 10: Stability and reactivity

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4. Conditions to avoid	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
10.5. Incompatible materials	Strong oxidizing agents
10.6. Hazardous decomposition products	Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ingestion Toxicity	No hazard in normal industrial use. Estimated to be 5.0 g/kg.
Skin Contact	This material is likely to be moderately irritating to skin based on animal data. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Absorption	Likely to be practically non-toxic based on animal data.
Inhalation Toxicity	No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
Eye Contact	The material is likely to be moderately irritating to eyes based on animal data. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Sensitization	Non-hazardous under Respiratory Sensitization category. Contains a substance that may cause skin sensitization.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity	Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.
Reproductive and Developmental Toxicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

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SECTION 11: Toxicological information

Specific target organ toxicity-Single exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
Specific target organ toxicity-Repeated exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.
Aspiration toxicity	Non-hazardous under Aspiration category.
Other information	No data available.

Agents Classified by IARC Monographs

Not applicable	IARC Group 1
Not applicable	IARC Group 2A
Not applicable	IARC Group 2B

National Toxicity Program (NTP) Status

Not applicable	Known Human Carcinogen
Not applicable	Reasonably Anticipated To Be A Human Carcinogen

SECTION 12: Ecological information

12.1. Toxicity

Acute Aquatic ecotoxicity:	Non-hazardous under Aquatic Acute Environment category.
Chronic Aquatic ecotoxicity:	Non-hazardous under Aquatic Chronic Environment category.

12.2. Persistence and degradability

Biodegrades slowly.

12.3. Bioaccumulative potential

Bioconcentration is expected to occur.

12.4. Mobility in soil

This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal Methods

Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

Waste Disposal Code(s)

Waste Description for Spent Product

Spent or discarded material is non-hazardous according to environmental regulations.

Contaminated packaging:

Recycle containers whenever possible.

Recycle containers whenever possible.

Recycle containers whenever possible.

SECTION 14: Transport information

DOT Basic Description	Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).
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SECTION 15: Regulatory information

Chemical Inventories

TSCA Status

All components of this material are on the US TSCA Inventory or are exempt.

U.S. State Restrictions:

Not applicable

WHMIS:

Uncontrolled product according to WHMIS classification criteria

Chemical Name	Regulation	CAS #	%
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Chemical Name	Regulation	CAS #	%
None.	CERCLA		
None.	SARA 313		
None.	SARA EHS		
None.	TSCA 12b		

U.S. State Regulations

Chemical Name	Regulation	CAS #	%
None.	California Prop 65- Cancer		
Sulfur dioxide	California Prop 65- Dev. Toxicity	7446-09-5	0.001- 0.01
None.	California Prop 65- Reprod -fem		
None.	California Prop 65- Reprod-male		
Mineral oil, petroleum distillates, hydrotreated light naphthenic	Massachusetts RTK List	64742-53-6	3 - 7
None.	New Jersey RTK List		
None.	Pennsylvania RTK List		
None.	Rhode Island RTK List		
None.	Minnesota Hazardous Substance List		

HMIS Ratings:

Health: 2
Fire: 1
Reactivity: 0
PPE: B

NFPA Ratings:

Health: 2
Fire: 1
Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 – Extreme

SECTION 16: Other information

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References	ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association CFR: Code of Federal Regulations DOT: United States Department of Transportation GHS: Globally Harmonized System of Classification and Labeling of Chemicals HMIS: Hazardous Materials Identification System IARC: International Agency for Research on Cancer IATA: International Air Transportation Association IDLH: Immediately Dangerous to Life or Health IMDG: International Maritime Dangerous Goods NFPA: National Fire Protection Association NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program OSHA: Occupational Safety and Health Administration PEL: Permissible Exposure Limit RTK: Right-to-Know SARA: Superfund Amendments and Reauthorization Act STEL: Short-term Exposure Limit TLV: Threshold limit value TSCA: Toxic Substances Control Act TWA: Time weighted average

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SECTION 16: Other information

UN: United Nations

WHMIS: Workplace Hazardous Materials Information System

Disclaimer

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.