



# SAFETY DATA SHEET

Issue Date 09-24-2019

Revision Date 09-24-2019

Version 4

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name:** MULTI-VEHICLE SYNTHETIC ATF

### Other means of identification

**Common Name:** 0411  
**UN/ID No** Not regulated  
**Synonyms** None  
**Product Categories** Lubricant, Automotive

### Recommended use of the chemical and restrictions on use

**Sale and Use Restrictions** Not applicable  
**Recommended Use** Restricted to professional users.  
**Uses advised against** Consumer use

### Details of the supplier of the safety data sheet

**Supplier Address**  
MOC PRODUCTS CO., INC.  
12306 Montague Street  
Pacoima, CA 91331

### Emergency telephone number

**Company Phone Number** MOC PRODUCTS CO., INC. (818) 794-3500  
**Emergency Telephone** CHEMTREC 1-800-424-9300



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Hydrotreated Heavy Paraffinic Oil	64742-54-7	41-58	*
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	40-50	*
Methacrylate copolymer	PROPRIETARY	5-10	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures**

- Skin contact** Wash with plenty of soap and water. Wash contaminated clothing before reuse.
- Inhalation** Move to fresh air. Keep at rest position comfortable for breathing. Call a POISON CONTROL CENTER or doctor/physician if you feel unwell. Difficulty in breathing: Seek immediate medical attention/advice.
- Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Flush eye(s) immediately with plenty of water. If eye irritation persists: Get medical advice/attention.
- Ingestion** If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so vomit does not enter lungs. Call a physician or Poison Control Center immediately.

**Most important symptoms and effects, both acute and delayed**

- Symptoms** Coughing and/ or wheezing. Eye irritation: redness, stinging and tearing. Gastrointestinal tract (GI): Nausea, Diarrhea, Vomiting.

**Indication of any immediate medical attention and special treatment needed**

- Self-protection of the first aider** See Section 8 for information on appropriate personal protective equipment.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Water spray or fog; Foam, Dry chemical, Carbon dioxide (CO2).

- Small Fire** Dry chemical or CO2.
- Large Fire** Water spray or fog; Foam.
- Explosive properties:** Fire or intense heat may cause violent rupture of packages.

**Specific hazards arising from the chemical**

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

**Hazardous combustion products** Aldehydes. Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons. Phosphorus oxides. Nitrogen oxides (NOx). Oxides of sulfur.

**Specific methods:**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

**Special firefighting procedures:**

No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. Dike to collect large liquid spills. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not use water jet. Do not use a solid water stream as it may scatter and spread fire. The product is insoluble and floats on water. Use water spray to keep fire-exposed containers cool. Water may cause frothing of heated materials. Avoid spreading burning liquid with water used for cooling purposes. Water mist may be used to cool closed containers. Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment. Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing.

**For emergency responders** Use personal protection recommended in Section 8.

### Environmental precautions

**Environmental precautions:** Do not flush into surface water or sanitary sewer system. Water runoff can cause environmental damage. Avoid subsoil penetration.

### Methods and material for containment and cleaning up

**Methods for Containment** Dike far ahead of spill; use dry sand to contain the flow of material. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for clean-up:** Clean-up methods - small spillage: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations. Clean-up methods - large spillage: Keep unnecessary personnel away. Dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling:** Protect from physical damage. Avoid breathing vapors or mists. Do not get in eyes, on skin, or on clothing. Keep containers tightly closed in a cool, well-ventilated place. Take precautionary measures against static discharge. Static ignition hazard can result from handling and use. Electrically bond and ground all metal containers, personnel and equipment before transfer or use of material. Keep away from heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

### Conditions for safe storage, including any incompatibilities

**Technical measures/precautions:** Mechanical ventilation required if used indoors on a continuous basis. Eye wash and safety shower should be easily accessible.

**Materials to avoid:** Strong oxidizing agents, Strong acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Hydrotreated Heavy Paraffinic Oil 64742-54-7	5 mg/m <sup>3</sup> TWA (mist) 10 mg/m <sup>3</sup> STEL (mist)	5 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Petroleum distillates, hydrotreated light paraffinic 64742-55-8	TWA: 5 mg/m <sup>3</sup> inhalable particulate matter excluding metal working fluids, highly & severely refined	Not established	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
Methacrylate copolymer PROPRIETARY	-	-	-

**Appropriate engineering controls**

**Engineering measures:** Mechanical ventilation required if used indoors on a continuous basis. Eye wash and safety shower should be easily accessible.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear. Chemical splash goggles.
- Skin and body protection** Wear normal work clothing: Long sleeved clothing. Chemical resistant gloves. Recommended Use: Nitrile, Viton® (consult with the specific manufacturer to confirm performance).
- Respiratory protection** Ensure adequate ventilation. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. When using do not eat, drink or smoke. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with eyes, skin and clothing. Take off contaminated clothing and wash it before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Petroleum
<b>Appearance</b>	Oil	<b>Odor threshold</b>	No information available
<b>Color</b>	Red		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	N/A	Not applicable	
<b>Melting point/freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	> 315 °C / 599 °F		
<b>Flash point</b>	215 °C / 419 °F	Cleveland Open Cup	
<b>Evaporation rate</b>		Slower than ether	
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limits in Air</b>			
<b>Upper flammability limit</b>	No Data Available		
<b>Lower flammability limit</b>	No Data Available		
<b>Vapor pressure</b>	<0.01332	kPa @ 37.8 °C	
<b>Vapor density</b>	>1 @ Air = 1	Heavier than air	
<b>Specific Gravity</b>	0.89	@ 15.6°C	
<b>Water solubility</b>	Insoluble in water		
<b>Solubility in other solvents</b>	No Data Available		
<b>Partition coefficient</b>	No Data Available		
<b>Autoignition temperature</b>	No Data Available		
<b>Decomposition temperature</b>	No Data Available		
<b>Kinematic viscosity</b>	=< 6.2 mm <sup>2</sup> /s	@ 100 °C	
<b>Dynamic viscosity</b>	No Data Available		
<b>Explosive properties</b>	No Data Available		
<b>Oxidizing properties</b>	No Data Available		
<b>Other information</b>			
<b>Softening point</b>	No Data Available		
<b>Molecular weight</b>	No Data Available		
<b>VOC Content (%)</b>			
<b>VOC Content (%)</b>	Negligible		
<b>Density</b>	0.89 g/cc		
<b>Bulk density</b>	No Data Available		

**10. STABILITY AND REACTIVITY**

Reactivity  
Reactivity           Stable.

Chemical stability  
**Possibility of Hazardous Reactions**   None under normal processing  
    **Hazardous polymerization**       Hazardous polymerization does not occur.

Conditions to avoid  
Heat, flames and sparks.

Incompatible materials

Materials to avoid:                   Strong oxidizing agents, Strong acids.  
Hazardous Decomposition Products

**Hazardous Decomposition Products** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Phosphorus oxides, Nitrogen oxides (NO<sub>x</sub>), Sulfur oxides (SO<sub>x</sub>).

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	Harmful if inhaled. Causes severe eye irritation. May be fatal if swallowed and enters airways.
<b>Inhalation</b>	Harmful if inhaled: Avoid breathing vapors or mists.
<b>Eye contact</b>	Causes severe eye irritation: redness, stinging and tearing.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrotreated Heavy Paraffinic Oil 64742-54-7	>5000mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Petroleum distillates, hydrotreated light paraffinic 64742-55-8	>2000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	= 3900 mg/m <sup>3</sup> ( Rat ) 4 h = 2062 ppm ( Rat ) 4 h
Methacrylate copolymer PROPRIETARY	-	-	-

**Information on toxicological effects**

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	Skin Sensitization, Respiratory Sensitization: Not classified.
<b>Mutagenic effects:</b>	No information available.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Chronic toxicity</b>	No information available.
<b>Target Organ Effects</b>	Skin, Eyes, Respiratory system.
<b>Neurological effects</b>	No information available.
<b>Other adverse effects</b>	No information available.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

**Numerical measures of toxicity - Product Information**

<b>Unknown Acute Toxicity</b>	10 % of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	16807 mg/kg
<b>ATEmix (dermal)</b>	8621 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	1.4 mg/l
<b>ATEmix (inhalation-vapor)</b>	1909 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

10 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrotreated Heavy Paraffinic Oil 64742-54-7		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Petroleum distillates, hydrotreated light paraffinic 64742-55-8		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

Biodegradability: Not expected.

**Bioaccumulation**

No information available.

**Mobility**

The product is insoluble and floats on water.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging**

Do not reuse container. Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated



**15. REGULATORY INFORMATION**

**International Inventories**

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**Federal Regulations**

**SARA 313**

No SARA 313 chemicals are present above the reporting threshold.

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**State Regulations (RTK)**

Chemical Name	CAS Number	California Proposition 65
Benzene	71-43-2	Carcinogen Developmental Male Reproductive
Ethylene oxide	75-21-8	Carcinogen Developmental Female Reproductive Male Reproductive
Propylene oxide	75-56-9	Carcinogen
Naphthalene	91-20-3	Carcinogen
Ethylbenzene	100-41-4	Carcinogen
Ethylene glycol	107-21-1	Developmental
Toluene	108-88-3	Developmental
1,4-Dioxane	123-91-1	Carcinogen
Ethyl acrylate	140-88-5	Carcinogen

**U.S. State Right-to-Know Regulations**

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

**NFPA Rating**

Health hazards 1  
Flammability 1  
Instability 0  
Physical and Chemical Properties -  
HMIS Rating  
Health hazards 1  
Flammability 1  
Physical hazards 0  
Personal protection B

Prepared by Environmental Health and Safety Department  
Issue Date 09-24-2019  
Revision Date 09-24-2019  
Revision Note

Formula. The Emergency Overview has changed. SEE SECTION 2.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**