



SAFETY DATA SHEET

Issue Date 01-31-2018

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Version 3

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

Product identifier

Product Name: A.T.F. CONDITIONER

Other means of identification

Common Name: 0103
UN/ID No Not Regulated
Synonyms None
Product Categories Additive, Lubricant

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

2. HAZARDS IDENTIFICATION

Classification

Skin sensitization	Sub-category 1B
Aspiration toxicity	Category 1

Label elements

Emergency Overview

Danger

Hazard statements

May cause an allergic skin reaction
May be fatal if swallowed and enters airways



Appearance Oil

Physical state Liquid

Odor Mild Petroleum

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response

Specific treatment (see response statements below and Section 4 of the Safety Data Sheet)

IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician
Do not induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

- May be harmful if swallowed
 - Toxic to aquatic life with long lasting effects
- 6.96 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Hydrotreated Heavy Paraffinic Oil	64742-54-7	0-95	*
Aliphatic Petroleum Distillates	64742-65-0	0-50	*
Benzenamine, N-Phenyl-,Reaction Products With 2,4,4-Trimethylpentene	68411-46-1	0-5	*
Alkyl diphenylamine	184378-08-3	0-5	*
Mineral Oil	MIXTURE	0-60	*
Substituted hydrocarbyl sulfide	CONFIDENTIAL	0.1-0.9	*
Long chain hydroxyalkylamine	CONFIDENTIAL	0.1-0.3	*

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

The mineral oil contained in this material may be described by one or more of the following CAS Nos. : CAS# 72623-87-1, CAS#64742-54-7, CAS#64742-65-0, CAS# 64742-55-8, CAS#64742-56-9

4. FIRST AID MEASURES

First aid measures

Skin contact	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur: Coughing and/ or wheezing; Respiratory irritation.
Eye contact	Flush eyes with water for 15 minutes. Call a physician if irritation develops and persists.
Ingestion	Do not induce vomiting. Call a physician or Poison Control Center immediately. Risk of product entering the lungs on vomiting after ingestion.
Notes to Physician	Acute aspirations of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation of oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.
<u>Most important symptoms and effects, both acute and delayed</u>	
Symptoms	Drowsiness, Dizziness, Coughing and/ or wheezing; Eye irritation. Skin irritation: May cause allergic skin reaction.
<u>Indication of any immediate medical attention and special treatment needed</u>	
Self-protection of the first aider	Avoid contact with skin. Wear appropriate gloves. Remove and wash contaminated clothing. 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: Risk of explosion if heated under confinement: Fire or intense heat may cause violent rupture of packages.

Specific hazards arising from the chemical

Product is or contains a sensitizer. May cause sensitization by skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Aldehydes, Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons, Nitrogen oxides (NO_x), Oxides of sulfur, Alkyl Mercaptans.

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. Use water spray to keep fire-exposed containers cool. Do not use a solid water stream as it may scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Keep people away from and upwind of spill/leak. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment. Contaminated surfaces will be extremely slippery.

For emergency responders Use personal protection recommended in Section 8. Remove all sources of ignition.

Environmental precautions

Environmental precautions: Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Water runoff can cause environmental damage. Local authorities should be advised if significant spillages cannot be contained.

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. 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.

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. Do not store at temperatures above 120°F (50°C). Keep containers tightly closed in a cool, well-ventilated place. Ensure adequate ventilation. Empty containers retain product residue and can be hazardous. 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: Ensure adequate ventilation. Eye wash and safety shower should be easily accessible.

Materials to avoid: Chlorine, Strong oxidizing agents, Strong acids, Alkalis, Strong reducing agents.

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 ³ TWA (mist) 10 mg/m ³ STEL (mist)	5 mg/m ³	-
Aliphatic Petroleum Distillates 64742-65-0	-	Not established	-
Benzenamine, N-Phenyl-,Reaction Products With 2,4,4-Trimethylpentene 68411-46-1	STEL: No data TWA: 10 mg/m ³	Not established	-
Alkyl diphenylamine 184378-08-3	-	Not established	-
Mineral Oil MIXTURE	5 mg/m ³ TWA (mist) 10 mg/m ³ STEL (mist)	5 mg/m ³	-
Substituted hydrocarbyl sulfide CONFIDENTIAL	-	Not established	-
Long chain hydroxyalkylamine CONFIDENTIAL	-	Not established	-

Appropriate engineering controls

Engineering measures: Ensure adequate ventilation. 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).

Skin and body protection Wear normal work clothing: Long sleeved clothing. Do not wear rings, watches or similar apparel that could entrap the material. Wear protective gloves. Recommended Use: Nitrile rubber, Viton®, Silver Shield (consult with the specific manufacturer to confirm performance).

Respiratory protection Not required under normal use. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. 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. 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. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild Petroleum
Appearance	Oil	Odor threshold	No information available
Color	Yellow, Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	N/A	Not applicable
Melting point/freezing point	No information available	
Boiling point / boiling range	>= 240 °C / 464 °F	(based on components)
Flash point	>= 120 °C / 248 °F	(based on components)
Evaporation rate	Slower than ether	Slower than ether
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No Data Available	
Lower flammability limit	No Data Available	
Vapor pressure	No Data Available	
Vapor density	Heavier than air	
Specific Gravity	0.86	
Water solubility	Insoluble in water	
Solubility in other solvents	No Data Available	
Partition coefficient	No Data Available	
Autoignition temperature	No Data Available	
Decomposition temperature	No Data Available	
Kinematic viscosity	7.2 mm ² /s	@ 100 °C
Dynamic viscosity	No Data Available	
Explosive properties	No Data Available	
Oxidizing properties	No Data Available	

Other information

Softening point	No Data Available
Molecular weight	No Data Available
VOC Content (%)	
VOC Content (%)	Negligible
Density	0.86 g/cc
Bulk density	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: Chlorine, Strong oxidizing agents, Strong acids, Alkalis, Strong reducing agents.

Hazardous Decomposition Products

Hazardous Decomposition Products Aldehydes, Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons, Nitrogen oxides (NO_x), Sulfur oxides (SO_x), Alkyl Mercaptans.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	May cause allergic skin reaction. May be fatal if swallowed and enters airways.
Inhalation	Inhalation of oil mists or vapors generated at elevated temperatures may cause respiratory irritation.
Eye contact	Contact with eyes may cause irritation.
Skin Contact	May cause allergic skin reaction.
Ingestion	Potential for aspiration if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrotreated Heavy Paraffinic Oil 64742-54-7	>5000mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Aliphatic Petroleum Distillates 64742-65-0	-	-	-
Benzenamine, N-Phenyl-,Reaction Products With 2,4,4-Trimethylpentene 68411-46-1	>2000 mg/kg (Rat)	>2000 mg/kg (Rat)	2170 mg/m ³ (rat) 4hr
Alkyl diphenylamine 184378-08-3	>5000 mg/kg(Rat)	>2000 mg/kg (Rabbit)	-
Mineral Oil MIXTURE	25000 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
Substituted hydrocarblyl sulfide CONFIDENTIAL	-	-	-
Long chain hydroxyalkylamine CONFIDENTIAL	-	-	-

Information on toxicological effects

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

Sensitization	Skin Sensitization: May cause allergic skin reaction. Respiratory Sensitization: Not classified.
Mutagenic effects:	No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	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.
Reproductive toxicity	No information available.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Chronic toxicity	Prolonged skin contact may defat the skin and produce dermatitis.
Subchronic toxicity	No information available.
Target Organ Effects	Skin, Eyes, Respiratory system.
Neurological effects	No information available.
Other adverse effects	No information available.
Aspiration hazard	Risk of serious damage to the lungs (by aspiration).

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	6.96 % of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .	
ATEmix (oral)	3512 mg/kg
ATEmix (dermal)	9940 mg/kg
ATEmix (inhalation-vapor)	4306 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chronic Aquatic Toxicity: Toxic to aquatic life with long lasting effects.

8.52 % 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
Aliphatic Petroleum Distillates 64742-65-0		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Benzenamine, N-Phenyl-, Reaction Products With 2,4,4-Trimethylpentene 68411-46-1	>100 -72 h mg/L Desmodesmus subspicatus EC50	>71 96h mg/L Brachydanio rerio LC50		=51 48h mg/L EC50 Daphnia magna
Mineral Oil MIXTURE	>100: 3d Scenedesmus quadricauda mg/L EC50	>100:4d Fathead Minnow mg/L LC50		>10000: 2d Daphnia magna mg/L EC50

Persistence and degradability

NOT READILY BIODEGRADABLE.

Bioaccumulation

Bioaccumulative potential.

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/NDL - 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)

California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm:

Chemical Name	CAS Number	California Proposition 65
Sulfur dioxide	7446-09-5	Developmental
Ethyl acrylate	140-88-5	Carcinogen
Trimethyl phosphate	512-56-2	Carcinogen
Ethylbenzene	100-41-4	Carcinogen
Naphthalene	91-20-3	Carcinogen
Benzene	71-43-2	Carcinogen Developmental Male Reproductive
Toluene	108-88-3	Developmental

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** 01-31-2018**Revision Date** 01-31-2018**Revision Note**

Formula. The Emergency Overview has changed. SEE SECTION 2. This data sheet contains changes from the previous version in section(s): 2, 3, 4, 5, 7, 8, 11, 12, 15.

Disclaimer

The information provided in this Material 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