Safety Data Sheet

Issue Date: 20-Oct-2015 **Revision Date:** **Version** 1

1. IDENTIFICATION

Product Identifier
Product Name **MIKE-O-THREAD SM-180**

Other means of identification
SDS #
Item# E-3630-05
E-3630-55

Recommended use of the chemical and restrictions on use
Recommended Use Lubricant metalworking fluid for milling, turning, drilling, grinding

Details of the supplier of the safety data sheet
Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number
Company Phone Number 832-399-1000
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Transparent Amber / Brown **Physical State** Liquid **Odor** Mild vanilla scent

Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4

Hazards Not Otherwise Classified (HNOC)
May be harmful in contact with skin

Signal Word **Warning**

Hazard Statements
Harmful if inhaled



Precautionary Statements - Prevention
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements – Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a poison center or doctor/physician if you fell unwell

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Petroleum distillates, hydrotreated light naphthenic	64742-52-5	60-80

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact Wash contact areas with soap and water. Remove contaminated clothing and lauder before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation Remove from further exposure and keep person at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned.

Ingestion Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms May include defatting of the skin; coughing; Eye irritation, redness, tearing.
May cause irritation to the mucous membranes and upper respiratory tract
See SECTION 11 for delayed and chronic effects.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
DO NOT use stream of water (could cause fire to spread).

Combustion Products/Specific Hazards

A mixture of airborne solids, liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin or eyes.
Avoid breathing dust/fume/gas/mist/vapors/spray
See SECTION 8 for Personal Protective Equipment.

Environmental Precautions

Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.
Prevent further leakage or spillage if safe to do so.
See SECTION 12 for Ecological Information.

Methods for Clean-Up

Absorb or cover with dry earth, sand or other non-combustible material.
Sweep up absorbed material and shovel into suitable containers for disposal.
Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.
See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice.
Avoid breathing fumes, vapors, mists, spray.
Wash face, hands, and any exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
See SECTION 8 for Personal Protection.
See SECTION 2 for Precaution Statements.

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place.
Do not store in open or unlabeled containers.
Store away from heat and open flame. Storage temperature > 40 °F.

Incompatible Materials

Oxidizing agents. Strong alkalis. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH STEL
Mineral Oil, Hydrotreated Heavy Naphthanic 64742-52-5	TWA: 5 mg/m^3 STEL: 10 mg/m^3	PEL: 5 mg/m^3 8 hours (mist).	STEL: 10 mg/m^3 15 minutes.

Legend:
***ACGIH**: American Conference of Governmental Industrial Hygienists*
***OSHA**: Occupational Safety and Health Administration*
***NIOSH**: National Institute for Occupational Safety and Health*
***TLV:** Threshold Limit Value*
***PEL:** Permissible Exposure Limit*
***STEL**: Short Term Exposure Limit*

Appropriate engineering controls

Engineering Controls

Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV).
Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses with side shields.

Skin and Body Protection

Chemical or oil resistant clothing is recommended

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Avoid contact with skin, eyes and clothing.
After handling this product, wash hands before eating, drinking, or smoking.
Remove contaminated clothing and lauder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Transparent	**Odor**	Mild vanilla scent
Color	Amber / Brown	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 176.66 °C / > 350 °F	
Flash Point	> 148.88 °C / > 300 °F	Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	< 1	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	<1.0	(Air=1)
Specific Gravity	0.80-0.90	
Water Solubility	Insoluble	
Solubility in other solvents	Not determined	
Dynamic Viscosity	150-185 SUS	@ 38°C (100°F)
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	

10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions.

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions Stable under recommended storage conditions.

Conditions to Avoid Incompatible Materials.

Incompatible Materials Oxidizing agents. Strong alkalis. Strong acids.

Hazardous Decomposition Products Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact May cause temporary irritation on eye contact.

Skin Contact Prolonged contact may cause redness and irritation.

Inhalation May cause irritation to the mucous membranes and upper respiratory tract.

Ingestion May cause gastrointestinal irritation or diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil, Hydrotreated Heavy Naphthanic 64742-52-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h

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

Sensitization May cause an allergic skin reaction.

Carcinogenicity Carcinogenic potential is unknown.

Gem Cell Mutagenicity No data available.

Reproductive Toxicity No data available.

Other Information No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Not expect to be harmful to aquatic organism

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Mineral Oil, Hydrotreated Heavy Naphthanic 64742-52-5		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

Persistence/Degradability Not inherently biodegradable

Bioaccumulation Bioaccumulation is unlikely to be significant because of the low water solubility

Mobility iquid under most environmental conditions. Float on water.
If enters soil it will absorb to soil particles and will not be mobile

Other Adverse Effects No other adverse environmental effects (ozone depletion, photochemical ozone creation)

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Mineral Oil, Hydrotreated Heavy Naphthanic 64742-52-5	Present	X		Present		Present	X	Present	X	X

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*
EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
ENCS *- Japan Existing and New Chemical Substances*
IECSC *- China Inventory of Existing Chemical Substances*
KECL *- Korean Existing and Evaluated Chemical Substances*
PICCS *- Philippines Inventory of Chemicals and Chemical Substances*
AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

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).

SARA 311/312 Hazard Categories Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5
Acute Health Hazard

SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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)

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Oil, Hydrotreated Heavy Naphthanic 64742-52-5		X	**X**

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	1	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	1	1	0	Not determined

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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