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Review Date:

Version

## 1. IDENTIFICATION

**Product Name** MIKE-O-THREAD SM-400  
**Other means of identification** E-3642-05 E-3643-55 E-3643-275  
**Recommended Use** Metalworking lubricant  
**Supplier Address** Ashburn Chemical Technologies  
 7403 Wright Rd  
 Houston, TX 77041  
**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

**Classification** Classified according to the US OSHA HazCom Standard 29 CFR 1910.1200  
 Acute Toxicity - Inhalation (Dust/Mist) Category 4  
**Signal Word** **WARNING**  
**Hazard Statements** H332 Harmful if inhaled.



### Precautionary Statements - Prevention

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P271 Use only outdoors or in a well-ventilated area

### Precautionary Statements- Response

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P312 Immediately call a poison center or doctor/physician

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Petroleum distillates, hydrotreated naphthenic	64742-52-5 64742-53-6	70-80

\*\*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**

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove from further exposure. Seek medical assistance if exposed, feel unwell, or concerned.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

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

<b>Notes to Physician</b>	Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
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**5. FIRE-FIGHTING MEASURES**

<b>Suitable / Unsuitable Extinguishing Media</b>	Use water fog, foam, dry chemical or carbon dioxide (CO <sub>2</sub> ) to extinguish flames. DO NOT use stream of water (could cause fire to spread).
<b>Specific Hazards Arising from the Chemical</b>	A mixture of liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion
<b>Protective equipment / Precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Avoid contact with skin or eyes. Avoid breathing dust/fume/gas/mist/vapors/spray See SECTION 8 for Personal Protective Equipment
<b>Environmental Precautions</b>	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
<b>Methods for Clean-Up</b>	Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. If the product contaminates rivers and lakes or drains inform respective authorities 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**

<b>Advice on Safe Handling</b>	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.
<b>Storage Conditions</b>	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 5-40°C (41-104°F)
<b>Incompatible Materials</b>	Oxidizing agents. Strong alkalis. Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH STEL
Hydro treated naphthenic distillates (mist)	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	PEL: 5 mg/m <sup>3</sup> 8 hours (mist).	STEL: 10 mg/m <sup>3</sup> 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

<b>Appropriate engineering controls</b>	Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV).
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### Personal Protective Equipment

<b>Eye/Face Protection</b>	Safety glasses with side shields.
<b>Skin and Body Protection</b>	Chemical or oil resistant clothing is recommended.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Not determined
<b>Appearance / Physical state</b>	Opaque / liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Brown		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	N/A		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	Not determined		Pensky-Martens Closed Cup (PMCC)
Evaporation Rate	Not determined		
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	0.90 (approx)		

<b>Water Solubility</b>	Nil	
<b>Solubility in other solvents</b>	Not determined	
<b>Viscosity</b>	380 SUS (approx)	@ 38°C (100°F)
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	Incompatible Materials.
<b>Incompatible Materials</b>	Oxidizing agents. Strong alkalis. Strong acids.
<b>Hazardous Decomposition Products</b>	Thermal decomposition and combustion are not expected to occur except under extreme conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye Contact</b>	May cause temporary irritation on eye contact, but will not permanently injure eye tissue
<b>Skin Contact</b>	Prolonged contact may cause redness and irritation.
<b>Inhalation</b>	Harmful if inhaled.

### Information on physical, chemical and toxicological effects

#### *Component Information*

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated naphthenic	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h

<b>Aspiration hazard</b>	Not determined
<b>Carcinogenicity</b>	The highly refined mineral oil contains <3% DMSO extract as measured by IP 346, hence the classification of a carcinogen need not apply.
<b>STOT- repeated/single exposure</b>	No data available
<b>Gem Cell Mutagenicity</b>	No data available.
<b>Reproductive Toxicity</b>	No reproductive effects.
<b>Other information</b>	Risk of chemical pneumonia after aspiration into lung
<b>Unknown Acute Toxicity</b>	10-15% of the mixture consists of ingredient(s) of unknown toxicity.

## 12. ECOLOGICAL INFORMATION

<b><u>Ecotoxicity</u></b>	Harmful to aquatic life with long lasting effect
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<b>Component Information</b>	Distillates (PET), hydrotreated naph LC <sub>50</sub> Oncorhynchus mykiss 5000 mg/kg 96 hr EC <sub>50</sub> Daphnia magna 1,000mg/L 48 hr
<b>Persistence/Degradability</b>	Not inherently biodegradable
<b>Bioaccumulation</b>	Bioaccumulation is unlikely to be significant because of the low water solubility
<b>Mobility</b>	Liquid under most environmental conditions. Float on water. If enters soil it will absorb to soil particles and will not be mobile
<b>Other Adverse Effects</b>	Not determined.

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>ATA</b>	Not regulated
<b>IMDG</b>	Not regulated

### 15. REGULATORY INFORMATION

<b>International Inventories</b>	The component(s) of this product are either listed or in compliance with the following inventories
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Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	INSQ	KECL	AICS
PET distillates, hydrotreated, naph	X	X		X			X	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*  
*INSQ - Mexico National Inventory of 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*

<b>WHMIS Classification</b>	D2B: Materials Causing Other Toxic Effects (Toxic)
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#### US Regulations

#### **EPCRA – Emergency Planning and Community Right-to-Know Act**

<b>CERCLA</b>	This material does not contain a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)
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<b>SARA 311/312 Hazard Categories</b>	Acute Health Hazard
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**SARA 313**

This product does not contain any chemical(s) regulated under the Section 313 Title III of the Superfund Amendments and Reauthorization Act

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated naphthenic	X		X

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	1	0	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	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**