

Issue Date: 30-Jul-2015

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Version 1

1. IDENTIFICATION

Product Identifier**Product Name** MIKE-O-LUBE 690**Other means of identification**SDS # E-0690-01
E-0690-05
E-0690-55**Recommended use of the chemical and restrictions on use****Recommended Use** Metalworking lubricant.**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

EMERGENCY OVERVIEW: The product contains no substances which, at their given concentration, are considered to be hazardous to health.**Appearance** Clear yellow / amber**Physical State** Liquid**Odor** Mild vanilla scent**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Hazard Symbol N/A**Signal Word** None**Precautionary Statement**

PREVENTION	Observe good industrial hygiene practices
RESPONSE	Wash hand thoroughly after handling
STORAGE	Store away from incompatible materials.
DISPOSAL	Dispose of waste and residues in accordance with local authority requirements

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Alcohols, C16-C18 unsaturated	68002-94-8	<15%

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. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove from further exposure. Use adequate respiratory protection. Seek medical assistance
Ingestion	Do not induce vomiting without medical advice. Seek medical attention/advice.

Most important symptoms and effects

Symptoms	No significant symptoms are expected due to the non-classification of the product.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Unsuitable Extinguishing Media Straight stream.

Specific Hazards Arising from the Chemical
Not determined.

Hazardous Combustion Products Smoke, Fume, Incomplete combustion products, Oxides of carbon.

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, protective equipment and emergency procedures**

Personal Precautions	See SECTION 8 for Personal Protective Equipment.
Environmental Precautions	See SECTION 12 for Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent entry into waterways, rivers, lakes, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. Absorb or cover with dry earth, sand or other non-combustible material
Methods for Clean-Up	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**Precautions for safe handling**

Advice on Safe Handling	Do not handle until all safety precautions have been read and understood. See SECTION 8 for Personal Protection. Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. See SECTION 2 for Precaution Statements.
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Conditions for safe storage, including any incompatibilities

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

<u>Exposure Guidelines</u>	No exposure limits noted for ingredient(s)
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Appropriate engineering controls

Engineering Controls	Maintain eye wash fountain and quick-drench facilities in work area.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	If contact is likely, safety glasses with side shields are recommended.
Skin and Body Protection	If prolonged or repeated contact is likely, chemical, and 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. If contact occurs, remove contaminated clothing and launder before reuse. See SECTION 4 for First-Aid Measure

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid	Odor	Mild vanilla scent
Appearance	Clear	Odor Threshold	Not determined
Color	Yellow / amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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	Not determined	
Specific Gravity	0.85	
Water Solubility	Nil	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	40-45 SUS	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Not reactive under normal conditions.
<u>Chemical Stability</u>	Stable under recommended storage conditions.
<u>Possibility of Hazardous Reactions</u>	Stable under recommended storage conditions.
<u>Conditions to Avoid</u>	Incompatible Materials.
<u>Incompatible Materials</u>	Oxidizing agents. Strong alkalis. Strong acids.
<u>Hazardous Decomposition Products</u>	Thermal decomposition and combustion are not expected to occur except under extreme conditions. See SECTION 5 in the event of fire

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 upper respiratory tract.
Ingestion	May cause discomfort, gastrointestinal irritation or diarrhea.

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

Acute Effects	None known
Chronic Effects	None-known

Information on physical, chemical and toxicological effects

Sensitization	None-known.
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Carcinogenicity	None-known.
Numerical measures of toxicity	None-known.
Unknown Acute Toxicity	None known

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	Not expect to be harmful to aquatic organism
<u>Persistence/Degradability</u>	Not determined.
Bioaccumulation	Not determined.
Mobility	Not determined
<u>Other Adverse Effects</u>	Not determined

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

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

15. REGULATORY INFORMATION

<u>International Inventories</u>	All components are listed on the EPA/TSCA Inventory of Chemical Substances
<u>US Federal Regulations</u>	
<u>CERCLA</u>	This material does not contain a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 255)
<u>SARA 311/312 Hazardous Chemical</u>	This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)
<u>SARA 313</u>	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) None-known

U.S. State Right-to-Know Regulations

California Proposition 65 Not determined

16. OTHER INFORMATION

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

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Revision Note: New format

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.