Safety Data Sheet - MicroTrace™ 5500

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: MicroTrace™ 5500
Other Identifier: Low residue MQL fluid
Recommended Use: Metal Working Lubricant

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses: Metal Working Lubricant
Uses Advised Against: Non-Industrial Uses

1.3 Details of the Supplier of the Safety Data Sheet

Company Name: UNIST, Inc.
Address: 4134 36th Street SE
Grand Rapids, MI 49512

Telephone Number: (800) 253.5462 alternatively (616) 949.0853
Fax Number: (616) 949.9503
Email Address: salessupport@unist.com

1.4 Emergency Telephone Number

Emergency Number: (800) 253.5462
Hours of Operation: Monday thru Friday, 8:30 am - 5:00 pm

SECTION 2: HAZARDS IDENTIFICATION

Aspiration Hazard — may be fatal if swallowed and enters airways. Hazard classifications are calculated based on component information, according to GHS protocols for the relevant hazard.

2.1 Hazard Classifications: Aspiration Hazard 1

2.2 Label Elements:

GHS Label Element

Hazard Symbol:

Substance or Mixture: Mixture
Signal Word: Danger
Hazard Statement: **H304** May be fatal if swallowed and enters airways
Precautionary Statements: **P301 + P310** If swallowed: Immediately call a doctor or poison center
P331 Do NOT induce vomiting
P405 Store locked up
P501 Dispose of contents/container following state and federal regulations

2.3 Other Hazards Not Resulting In Classification: Combustible liquid flash point >142° F (61° C)

2.4 Personal Protection: See section 6

Summary: Read entire SDS prior to use. Observe all precautions. Use engineering controls to minimize human exposure to workplace chemicals.

SECTION 3: FIRE-FIGHTING MEASURES (Flash Point: >142° F [61° C])

Basic Firefighting Procedures

Treat as an oil fire. Do not use a water jet. Use water spray, dry chemical, foam or CO2 to extinguish fire. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment. Flush spills away from sources of ignition.

Unusual Fire and Explosion Hazards

Oil will float on surface of water and ignite. Irritating or toxic substances may be emitted.

SECTION 4: ACCIDENTAL RELEASE MEASURES

Refer to Section 6: Exposure Control and Personal Protection

Emergency Action

Isolate release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure.

Spill/Leak Procedure

Floor and surfaces may be slippery. Dike with sand or other noncombustible material. Flush area with water provided runoff does not enter drain or sewer; use absorbent material and dispose of properly.

Notification

Any spill or release to navigable water that causes a visible sheen upon the water must be reported immediately to the National Response Center (800/424-8802), as required by U.S. federal law.

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salessupport@unist.com | unist.com

SECTION 5: HANDLING AND STORAGE

Refer to Section 6: Exposure Control and Personal Protection

Handling

Wear proper protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. For industrial use only. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you are exposed and feel unwell. The shipping and storage container is not designed to be pressurized. Do not use pressure to empty the container as it may rupture with explosive force. Containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers.

Storage

Store product in closed containers in a well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers.

SECTION 6: EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH	OSHA

Engineering Controls

Use appropriate ventilation to maintain airborne concentration limits below recommended exposure limits.

Eye and Face Protection

Wear safety glasses; use face shield if splashing is possible.

Skin Protection

Oil or chemical resistant gloves should be used to minimize contact. Wear apron or boots if appropriate.

Respiratory Protection

A NIOSH or MSHA approved respirator should be used in areas with high vapor concentrations or oil misting or when exposure limits are exceeded.

SECTION 7: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Clear Colorless	**Flash Point**	>142˚ F (61˚ C)
Density (lbs./gal.)	6.6	**Upper/Lower Flammability Limits**	Not Determined
pH, 5%	Not Applicable	**Auto-ignition Temperature**	Not Determined
Solubility in Water	Insoluble	**Decomposition Temperature**	Not Determined
Odor	Characteristic	**Vapor Pressure**	Not Determined
Odor Threshold	Not Determined	**Vapor Density (Air-=1)**	Not Determined
Melting/Freezing Point	<-94°F (-70° C)	**Partition Coefficient**	Not Determined
Boiling Range	Not Determined	**Absolute Viscosity (cP @77˚F)**	Not Determined
Initial Boiling Point	Not Determined	**Critical Temperature**	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.

SECTION 8: STABILITY AND REACTIVITY

Reactivity	Polymerization will not occur.
Chemical Stability	Stable under normal conditions of use.
Stability/Incompatibility	Avoid contact with strong oxidizers.
Conditions to Avoid	High temperatures, flames and sparks
Hazardous Reactions/Decomposition Products	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion

SECTION 9: TOXICOLOGICAL INFORMATION

Ingestion	May be harmful if swallowed. Can be aspirated into lungs and cause chemical pneumonia. If swallowed DO NOT induce vomiting.

SECTION 10: ECOLOGICAL INFORMATION

Ecotoxicity-Aquatic Life	Not Available
Persistence and Biodegradability	Not Available
Bioaccumulative Potential	Not Available
Mobility in Soil	Not Available

SECTION 11: DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and local regulations.

SECTION 12: TRANSPORTATION INFORMATION

UN Proper Shipping Name/Number	UN 1268, Combustible liquid, n.o.s. (contains petroleum distillates), PG III, Class 3
Exceptions	Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.
Emergency Response Guide	171 North American Emergency Response Guide Book

SECTION 13: REGULATORY INFORMATION

Chemical Inventory Lists	All ingredients are listed on TSCA and DSL
SARA (302 & 304)	**This product does not contain greater than 1% of any extremely hazardous substance listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.**
SARA (311/312) Reportable Hazard Categories	Health Hazard- Yes, Aspiration Hazard – Yes Physical Hazard- No
SARA 313 Reportable Ingredients	This product does not contain greater than 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

SECTION 14: OTHER INFORMATION

Notice The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

This SDS complies with the requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200