

Material Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TSUNE CUT 800

Company Identification

Miller Industrial Fluids
1751 W Raymond Street
Indianapolis, IN 46221
United States of America

Transportation Emergency Response

(317) 634-7300
After Hours: (CHEMTREC) 1-800-424-9300
Outside the US (703) 527-3887

Product Information

Email: customerservice@millerif.com
Product Information/MSDS Requests: 317-634-7300

Issue Date: 10/15/12
Supersede Date: 09/02/10
Revision Number: 12-1

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

CAS NUMBER	% VOL	CHEMICAL NAME	TLV (ACGIH)
112-62-9	>75	Methyl Oleate	NE

None of the ingredients for this product are listed as carcinogens in NTP, IARC, or OSHA 1910.
All ingredients in this product are listed on the TSCA inventory.

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: May cause eye irritation.

Skin Contact: May cause skin irritation.

Inhalation: Vapor or mist in excess of permissible concentrations or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea and drowsiness.

Ingestion: Abdominal discomfort, nausea and diarrhea may occur.

SECTION 4 FIRST AID MEASURES

Eye: Flush eyes with plenty of water for several minutes. Seek medical attention if irritation persists.

Skin: Wash skin with plenty of soap and water for several minutes. Seek medical attention if skin irritation persists. Material has a low order of dermal toxicity.

Inhalation: If irritation, headache, nausea or drowsiness occurs, remove to fresh air. Seek medical attention if breathing becomes difficult or respiratory irritation persists.

Ingestion: Give 2 glasses of water (16 oz). Do not induce vomiting. Seek medical attention. Never give liquids to an unconscious person.

Other Instructions: High-pressure injection of this material into the skin can cause severe injury. Failure to debride the wound of all residue material can result in disfigurement, loss of function or may require amputation of the affected area. Remove and launder or dry clean clothing soaked or soiled with this material before reuse.

SECTION 5 FIRE FIGHTING MEASURES

NFPA Ratings: Health: 1 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint, COC, °F: >350

Autoignition, °F: NE

Flammability (Explosive) Limits (Approx. % by volume in air): Lower: 0.9 % Upper: 7.0 %

EXTINGUISHING MEDIA: Use foam, water fog, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: Use water spray, dry chemical foam or carbon dioxide to extinguish the fire. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

Combustion Products: Carbon monoxide, carbon dioxide, sulfur oxides, phosphorous oxides.

Unusual Fire and Explosion Hazards: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Keep product out of streams and waterways by diking or impounding the spill. Soak up the spill on inert absorbent material and dispose of in accordance with all applicable government regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required. Advise authorities if spill has entered or may enter sewers, watercourses, or extensive land areas.

SECTION 7 HANDLING AND STORAGE

General Handling Information: Use product with caution around heat, sparks, pilot lights, static electricity and open flame. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Store containers closed and away from extreme temperatures. Avoid breathing mists. Avoid contact with eyes. Wash skin thoroughly after handling. Do not ingest.

Container Warnings: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAMES, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE OR CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration Regulations, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face Protection: Safety glasses with side shields or chemical goggles.

Skin Protection: Oil impervious gloves and oil impermeable apron recommended.

Respiratory Protection: Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the threshold limit value (TLV) or permissible exposure limit (PEL). If any TLV or PEL is exceeded, provide NIOSH approved respiratory protection.

Other Measures: Eye wash station, launder soiled clothing before reuse and discard oil soaked shoes.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: The data below are typical values and do not constitute a specification.

Color: Blue

Solubility in water: Nil

Physical State: Liquid

Freezing Point: N/A

Odor: Light Fatty

Melting Point: N/A

pH: NA

Specific Gravity: 0.88

Vapor Pressure, 40°C, mmHg: <0.01

Boiling Point, °C: >270

Vapor Density (Air=1): >1

Viscosity: 12-15 cSt @ 40°C

VOC: 0

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Avoid high heat, sparks and flame.

Incompatibility With Other Materials: Strong oxidants.

Hazardous Decomposition Products: Oxides of carbon, sulfur, phosphorous.

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE AND EFFECTS OF OVEREXPOSURE

Eyes: May cause eye irritation

Skin Contact: May cause skin irritation

Inhalation: Vapor or mist in excess of permissible concentrations or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea and drowsiness.

Ingestion: Abdominal discomfort, nausea and diarrhea may occur.

Medical Conditions Generally Aggravated By Overexposure: None known

ADDITIONAL TOXICOLOGY INFORMATION:

This material, as a whole, has not been tested. This material contains no ingredient above the de minimus concentrations known or suspected to cause cancer.

SECTION 12 ECOLOGICAL INFORMATION

EXOTOXICITY

No available information for product.

ENVIRONMENTAL FATE

No available information for product.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Name: NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

DOT HAZARD CLASS: NOT APPLICABLE

DOT Identification Number: NOT APPLICABLE

DOT Packing Group: NOT APPLICABLE

IMO/IMDG Shipping Name: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORTATION UNDER THE IMDG CODE
IMO/IMDG Hazard Class: NOT APPLICABLE
IMO/IMDG Identification Number: NOT APPLICABLE
IMO/IMDG Packing Group: NOT APPLICABLE

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

TSCA Status: All ingredients in this product are listed on the TSCA inventory.

SECTION 16 OTHER INFORMATION

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE – Personal Protection Equipment Index recommendation, *-Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 1-16

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV – Threshold Limit Value	TWA – Time Weighted Average
STEL – Short-term Exposure Limit	PEL – Permissible Exposure Limit
CAS – Chemical Abstract Service Number	API – American Petroleum Institute
IMO/IMDG – International Maritime Dangerous Goods Code	MSDS – Material Safety Data Sheet
NFPA – National Fire Protection Association (USA)	DOT – Department of Transportation (USA)
NTP – National Toxicology Program (USA)	OSHA – Occupational Safety and Health Administration
ACGIH – American Conference of Government Industrial Hygienists	IARC – International Agency for Research on Cancer

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by Miller Industrial Fluids, L.L.C., 1751 W. Raymond St., Indianapolis, IN 46221.

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.