



Material Safety Data Sheet

Product No. 812-650, 812-653 Cutting Fluid, Soluble Oil

Issue Date (01-01-08)

Review Date (04-12-12)

Section 1: Product and Company Identification

Product Name: Cutting Fluid, Soluble Oil

Synonym: SO Soluble Oil

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Triethanolamine(102-71-6)	10-15	ND	5	No	No	No
Poly[oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride] (31512-74-0)	0.1-1	ND	ND	No	No	No

Section 3: Hazard Identification

Emergency overview

Appearance: Clear Blue Liquid.

Immediate effects: Warning! Causes Eye Irritation

Potential health effects

Primary Routes of entry: Skin, ingestion

Signs and Symptoms of Overexposure: ND

Eyes: Causes eye irritation.

Skin: May cause skin irritation.

Ingestion: Toxic if swallowed

Inhalation: May cause respiratory tract irritation.

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: See section 15; trace amounts of Ethylene oxide, Propylene oxide, Dioxane. No components of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, IARC, NPT or OSHA.

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Flush eyes with plenty of water for 15 minutes. Get medical attention.

Skin Contact: Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. Give oxygen if breathing is difficult.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: Will not burn. May be combustible at high temperatures.

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Water fog, foam, dry chemical, carbon dioxide.

Special Fire Fighting Procedures: ND

Unusual Fire and Explosion Hazards: This material is not explosive as defined by established regulatory criteria.

Hazardous combustion products: ND

DOT Class: Not regulated.

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Ensure runoff does not reach waterways. Absorb material, place in sealed liquid proof container for disposal.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be Taken in Handling and Storage: Do not ingest. Do not get in eyes, on skin or clothing. Avoid contact with skin and clothing. Wash thoroughly after handling. Keep container tightly closed, in cool well ventilated area. Empty container may contain harmful vapors or residues that may be flammable/combustible or explosive.

Storage temperature: Room temperature.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Use local exhaust.

Personal Protection Equipment

Respiratory protection: Use NIOSH approve respirator where spray mist occurs.

Protective gloves: Rubber gloves.

Skin protection: Other clothing as needed to avoid skin contact.

Eye protection: Chemical splash goggles or face shield.

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Clear blue liquid.

Odor (threshold): Chemical

Specific Gravity (H₂O=1):1.03-1.06

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: 71%v/v 71%w/w

Evaporation Rate (butyl acetate= 1) : <1

Boiling Point: ND

Freezing point / melting point: ND

pH: 9.0-9.4 @ 100%, 8.5-9.1 @ 5%

Solubility in Water: Easily soluble in cold water, hot water.

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Keep tightly capped (Contains: Triethanolamine)

Materials to Avoid (Incompatibility): Reactive with oxidizing agents, acids, Slightly reactive to reactive with reducing agents, organic materials, metals.

Hazardous Decomposition Products: ND

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: No components of this product at levels grater than 0.1% is identified as a carcinogen by ACGIH, IARC, NPT or OSHA.

No components of this product at levels grater than 0.1% is identified as a mutagen, teratogenic or embryotoxic reproductive toxin.

This product contains an Alkanolamine, based on animal studies which may cause damage to the liver and kidneys. In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen greater than 0.1%

Section 12: Ecological Information

Ecological Information: ND
Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: ND

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Not regulated.

IATA: Proper shipping name: Not regulated.

IMO: Proper shipping name: Not regulated.

Marine Pollutant: No

Canadian TDG: Not regulated.

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: None

SARA Title III: Section 302, Extremely Hazardous Substances: No. Section 311/312, Hazardous Categories: No. Section 313, Toxic Chemicals: No.

RCRA: No

TSCA: In compliance.

CERCLA: None

State Regulations

California Proposition 65: This product contains trace amounts of the following chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm: Ethylene Oxide, Propylene Oxide, and Dioxane.

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

Section 16: Other Information

Label Information: Caution! Causes eye irritation.

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

HMIS® Hazard Rating: Health: **1**; Flammability: **1**; Physical Hazard: **0**, Personal Protection: **B**.

HMIS® rating based upon recommended in-use dilutions.

NFPA Hazard Rating: Health: **2**; Fire: **1**; Instability: **0**.

NFPA rating based upon the undiluted product-concentrate.

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

NE= Not established

NA= Not applicable
NIF= No Information Found
ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

MSDS Form 0013F1 V2