

## Material Safety Data Sheet

**Product No. 812-648, 812-649 Smart Cut Coolant**

**Issue Date (08-25-02)**

**Review Date (09-14-11)**

### Section 1: Product and Company Identification

**Product Name: Smart Cut Coolant**

Synonym: Water Soluble Coolant

**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

<b>Principle Hazardous Component(s)</b> (chemical and common name(s)) (Cas. No)	<b>%</b>	<b>OSHA PEL</b> mg/m3	<b>ACGIH TLV</b> mg/m3	<b>NTP</b>	<b>IARC</b>	<b>OSHA regulated</b>
2-Aminoisobutanol (124-68-5 )	5-30	NE	NE	No	No	No
Proprietary Lubricity Agents (Mixture)	ND	NE	NE	No	No	No
Proprietary Non-phenolic Biocide (Mixture )	<0.5	NE	NE	No	No	No

### Section 3: Hazard Identification

#### Emergency overview

Appearance: Dark blue liquid

Immediate effects: Not expected to be hazardous

#### Potential health effects

Primary Routes of entry: ND

Signs and Symptoms of Overexposure: ND

Eyes: This product would not be expected to produce irritation upon contact with the eyes.

Skin: This product is not expected to cause skin irritation. Prolonged or repeated exposure may lead to skin sensitization in some individuals and produce an allergic reaction.

Ingestion: This product would be regarded as practically non-toxic if swallowed.

Inhalation: This product is not expected to present an inhalation hazard unless mists are generated. Inhalation of product mist may be irritating to the respiratory tract. Caution should be taken to prevent forming aerosol or misting of this product without proper respiratory protection.

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: No

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: Not expected to require first aid measures. Rinse with plenty of water.

**Skin Contact:** In case of contact, wash skin with soap and plenty of water. Remove contaminated clothing. If redness and irritation symptoms occur, seek medical aid. Wash contaminated clothing before reuse.

**Inhalation:** If inhaled and irritation or difficulty in breathing occurs, remove to fresh air. Seek medical attention if irritation or discomfort persists.

**Ingestion:** Not an expected route of overexposure. Seek medical attention if irritation or discomfort persists.

**Note to physician**

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

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**Section 5: Fire Fighting Measures**

Flash Point: None

Flammable Limits: NA

Auto-ignition point: NA

Fire Extinguishing Media: Use dry chemical, foam, water fog or carbon dioxide appropriate for the surrounding fire.

Special Fire Fighting Procedures: Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.

Unusual Fire and Explosion Hazards: No unusual hazards.

Hazardous combustion products: Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, ammonia, and/or nitrogen oxides.

DOT Class: None

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**Section 6: Accidental Release Measures**

Steps to be Taken in Case Material is Released or Spilled: (Land) Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent and place into suitable containers. (Water) Water-soluble. Not expected to create an environmental hazard.

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

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**Section 7: Handling and Storage**

Precautions to be Taken in Handling and Storage: Avoid prolonged or repeated contact with skin and clothing. Avoid breathing mist. Use with adequate ventilation. Wash thoroughly after handling. Keep container closed when not in use.

Storage temperature: No specific requirements.

Storage Pressure: No specific requirements.

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**Section 8: Exposure Controls / Personal Protection**

**Engineering Controls**

Ventilation required: Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel. Use adequate ventilation when working with material in an enclosed area. Use exhaust ventilation where mist or spray may be generated.

**Personal Protection Equipment**

Respiratory protection: When misting may occur in the work area, use a NIOSH approved respirator in accordance with respiratory requirements of OSHA 29 CFR 1910.134.

Protective gloves: Chemical resistant gloves to avoid skin sensitization and absorption.

Skin protection: Use of an apron or other protective clothing is recommended to avoid skin sensitization. Launder soiled clothes.

Eye protection: Eye protection is always recommended. Use splash goggles or face shield.

Additional clothing and/or equipment: Eyewash stations and showers should be available where this material is used and stored. Good practice dictates that consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking, or smoking.

**Exposure Guidelines**

See Composition/Information on Ingredients (Section2)

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**Section 9 Physical and Chemical Properties**

Appearance and Physical State: Dark Blue Liquid

Odor (threshold): Mild odor

API Gravity: 5.9° at 15.6°C (60°F) by ASTM D 1298

Specific Gravity (H<sub>2</sub>O=1): 8.58 lb./gal at 15.6°C (60°F) by ASTM D 1298. or 1.03 at 15.6°C (60°F) by ASTM D 1298

Vapor Pressure (mm Hg): Negligible at STP (Standard Temperature and Pressure, 25°C at 1 ATM).

Vapor Density (air= 1) : >1 at STP

Percent Volatile by volume: Negligible at STP

Evaporation Rate (butyl acetate=1): Negligible at STP

Boiling Point: 100°C (212°F).

Freezing point / melting point: NE

pH: 9.4 (5% solution in water)

Solubility in Water: Completely soluble in water, not soluble in hydrocarbon solvents.

Molecular Weight: NA, Mixture

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### Section 10: Stability and Reactivity

Stability: Material is stable at room temperature and pressure.

Conditions to Avoid: No specific information.

Materials to Avoid (Incompatibility): Avoid contact with acids and oxidizing materials.

Hazardous Decomposition Products: Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, ammonia, and/or nitrogen oxides.

Hazardous Polymerization: Will not occur.

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### Section 11: Toxicological Information

Results of component toxicity test performed: **Oral Toxicity:** Product oral LD50 (rat) > 5 g/kg.

**Dermal Toxicity:** Repeated or prolonged contact may cause skin irritation or sensitization.

**Inhalation Toxicity:** On rare occasions, prolonged and repeated exposure to oil mist poses a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptotic as a result of repeated small aspirations.

Shortness of breath and cough are the most common symptoms. Based on data from similar materials.

**Dermal Sensitization:** Prolonged or repeated contact may make skin more sensitive to other skin sensitizers. Based on data from similar materials.

**Chronic Toxicity:** No ingredients considered chronic toxins.

**Mutagenicity:** Not determined.

**Reproductive Toxicity:** Not determined.

**Teratogenicity:** Not determined.

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

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### Section 12: Ecological Information

Ecological Information: ND

Chemical Fate Information: ND

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### Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: **Waste Disposal:** Discarded product as sold would not be considered a RCRA hazardous waste. Waste management should be in full compliance with federal, state, and local laws. **Disposal**

**Considerations** Place used, contaminated, or excess material into disposable containers. Used or spent product is not considered to be a hazardous waste. Spent fluid should be filtered, centrifuged or allowed to settle to remove solids.

Solid waste from normal machining operations should be non-hazardous and suitable for landfill or recycling. The supernatant or filtered product, after solids removal, can be discharged according to potable water (POTW) permits to commercial water treatment plants. Always dispose of in a manner consistent with local and state regulations.

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

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### Section 14: Transportation Information

US DOT Information: Not regulated

IATA: Not regulated.  
IMO: Not regulated  
Marine Pollutant: No  
Canadian TDG: ND

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## **Section 15: Regulatory Information**

### **United States Federal Regulations**

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

SARA Title III: Section 302/304 Extremely Hazardous Substances: None. Section 311, 312 Hazard Categorization: Acute (immediate health effects): No Chronic (delayed health effects): No Fire (hazard): No Reactivity (hazard): No Pressure (sudden release hazard): No Section 313 Toxic Chemicals: None.

RCRA: Discarded product as sold would not be considered a RCRA hazardous waste

TSCA: All components of this material are listed in the U.S. TSCA Inventory.

CERCLA: For stationary sources - reportable quantity: Not determined. Due to: Not applicable. For moving sources - reportable quantity: Not determined. Due to: Not applicable. Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

### **State Regulations**

California Proposition 65: None

### **International Regulations**

Canada WHMIS: ND

Europe EINECS Numbers: ND

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## **Section 16: Other Information**

Label Information: Warning – None Required

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Hazard Rating: Health: **2**; Fire: **0**; Reactivity: **0**

(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

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## **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.