



5353 Spring Grove Avenue, Cincinnati, OH 45217 USA 513-471-8770

Material Safety Data Sheet

Section 1 - Product Identification

Product Name: Cutrite 2100 Biostable Metalworking Fluid

Hazard Rating

	Health	Fire	Reactivity		
HMIS Code:	1	0	0		
0=Least	1=Slight	2=Moderate	3=High	4=Extreme	

Section 2 - Hazardous Ingredients / Identity Information

Specific Identity; Common Names	OSHA PEL	ACGIH TLV	Other
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Proprietary Formula - Specific Chemical Identities Have Been Withheld

055934-93-5			
Tripropylene glycol N-butyl ether	-	-	
110-97-4			
Diisopropanolamine	-	-	
64742-52-5			
Severely hydrotreated heavy naphthenic distillates	5mg/m3	5mg/m3	
Mineral Oil	(mist)	(mist)	
8002-26-4			
Distilled tall oil	-	-	

Section 3 - Physical/Chemical Characteristics

Appearance	Yellow liquid
Boiling Point, Deg. F	Not Known
Evaporation, BuAcetate=1	Slower than
Odor	Mild
pH	9.6
pH Diluted in water	9.2 (5%)
Solubility in water	Emulsifies
Vapor Density (Air=1)	Not Known
Vapor Pressure	Not Known
Pounds per Gallon	8.280
Specific Gravity	0.994

Section 4 - Fire and Explosion Hazard Data

Flash Point COC: NA Flammable Limits: LEL-Not Known UEL-Not Known
 Extinguishing Media: Foam, dry chemical, water fog, carbon dioxide.
 Special Fire Fighting Procedures: Cool fire exposed containers with water.
 Do not enter a confined fire space without full bunker gear and NIOSH approved supplied air breathing apparatus.
 Unusual Fire and Explosion Hazards: Product is water based and will not burn until water has evaporated.

Section 5 - Reactivity Data

Stability - Stable.
 Incompatibility - Strong acids. Strong bases. Oxidizing agents. Strong reducing agents.
 This product contains amines. Do not mix with nitrite or other nitrosating agents due to the potential for nitrosamine formation.
 Hazardous Decomposition Products - Iodine vapors. Organic compounds. Oxides of carbon. Oxides of nitrogen.
 Hazardous Polymerization - Will not occur.
 Other - Not Applicable.



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Section 6 - Health Hazard Data

Routes of Entry: Inhalation-yes Skin-yes Ingestion-yes

Health Hazards :

The health hazards listed below are for components to this mixture. The active ingredients are diluted in mineral oil in this mixture and the severity of the listed health hazards for this product may be reduced. This product is designed to be diluted significantly with water before product use. The severity of these health hazards may be reduced further at usage concentrations. (Acute and Chronic Overexposure)

Eyes - Moderate irritation. Redness. Stinging. Tearing.
Component may cause eye tissue injury and result in permanent damage.

Skin - Burning sensation. Irritation. Redness.
Prolonged and repeated contact can defat the skin which may result in dryness, dermatitis, and cracking of the skin.
Persons sensitized by contact with rosin may develop an allergic reaction.

Inhalation - Irritation of the respiratory tract.

Ingestion - Burns to mouth, throat, and digestive tract. Component is considered moderately toxic by ingestion. Gastrointestinal irritation.
Large amounts may have CNS effects. Nausea. Stomach discomfort.
Pulmonary aspiration hazard if swallowed and vomiting occurs.

Signs And Symptoms of Exposure - As Noted Above.

Medical Conditions Generally Aggravated By Exposure -
Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: kidney damage, liver damage.

Other Precautions - NA

Other - NA

Carcinogenicity NTP-No IARC-No OSHA-No

Emergency and First Aid Procedures:

Inhalation - remove to fresh air. If breathing is difficult, give oxygen.
If breathing is stopped, begin artificial respiration. Get medical attention.

Skin contact - wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of the injury.

Eye contact - flush with water for at least 15 minutes or until irritation subsides, get medical attention.

Ingestion - DO NOT induce vomiting; get medical attention immediately.

Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Dike area. Recover free product. Add a dry absorbent material to spill area.

Waste Disposal Method: Dispose by methods consistent with local state and federal regulations.

Precautions to be Taken in Handling and Storing: Keep containers tightly closed. Use and store this product with adequate ventilation. Avoid

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inhalation of vapors and personal contact with the product. To dissipate static electricity during transfer, ground and/or bond both containers. Since emptied containers retain product residue, follow warnings even after container is emptied. Residue or vapors may explode on ignition; do not cut, drill, grind or weld on or near container even when empty.

Other Precautions:

Not Applicable

Section 8 - Control Measures

Respiratory Protection: Not normally required. Use NIOSH approved supplied air breathing equipment if vapors are excessive.

Ventilation: Local Exhaust : Not normally required.
Mechanical (General): Use general ventilation.

Protective Gloves: Use chemical-resistant gloves, if needed, to avoid skin contact.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Clothing or Equipment: To prevent repeated or prolonged skin contact, wear impervious apron/clothing and boots.

Work/Hygienic Practices: Minimize breathing vapor, mist or fumes. Wash skin with soap and water after contact. Launder contaminated clothing.

Section 9 - Regulatory Information

DOT Information

DOT Proper Shipping Name: None

DOT Hazard Code: None

UN Number: None

TSCA

All components of this product are included in the TSCA inventory or are regulated under FIFRA.

Section 313 Supplier Notification

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

CAS#	Common Name	Weight%
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This information should be included in all MSDSs that are copied and distributed for this material.

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by CCI Inc.

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End of MSDS
