



# COOLANT CONTROLS

Product Code: VULDRA2320

Revision Date: 12/14/2007

Revised By: MSDS Dept.

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

## Material Safety Data Sheet

### Section 1 - Product Identification

Product Name: Vuldra 2320 Synthetic Punching Fluid

#### Hazard Rating

	Health	Fire	Reactivity		
NFPA 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

000057-55-6 Propylene glycol	-	-	AIHA WEEL 50ppm
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112-34-5 Diethylene Glycol Monobutyl ether (Butyl Carbitol)	-	-	
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71662-44-7 Oxirane, methyl-, polmer with oxirane, monobutyl ether, phosphate	-	-	
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8002-26-4 Distilled tall oil	-	-	
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9003-11-6 Oxirane, methyl-, polymer with ox() irane	-	-	
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### Section 3 - Physical/Chemical Characteristics

Appearance	Blue liquid
Boiling Point, Deg. F	Not Known
Evaporation, BuAcetate=1	Slower than
Odor	Mild
pH	8-9
Solubility in water	Complete
Vapor Density (Air=1)	Not Known
Vapor Pressure	Not Known
Pounds per Gallon	8.676
Specific Gravity	1.042

### 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 -

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Decomposition of biocide begins at pH below 6.5. Eye irritating vapors may form if emulsions are heated excessively.

Incompatibility - Strong acids-mineral and organic. Acrylates. Aldehydes. Strong bases. Ketones.

Organic anhydrides. Organic halides. Oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products - Aldehydes. Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus. Oxides of potassium. Oxides of sulfur.

Hazardous Polymerization - Will not occur.

Other -

This product contains amines. Do not mix with nitrite or other nitrosating agents due to the potential for nitrosamine formation.

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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 water 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 - Severe irritation. Symptoms may include stinging, tearing, redness, swelling, and eye damage.

Skin - Burning. Irritation. Overexposure has been found to cause sensitization in humans. Prolonged contact may cause burns. Redness. Swelling. Prolonged and repeated contact can defat the skin which may result in dryness, dermatitis, and cracking of the skin.

Inhalation - Mists may cause irritation.

Ingestion - Diarrhea. Irritation. Lethargy. Nausea. Repeated excessive ingestion may cause CNS effects. Vomiting. Weakness.

Pulmonary aspiration hazard if swallowed and vomiting occurs.

Signs And Symptoms of Exposure -

Signs of nervous system depression (e.g. headache, drowsiness, dizziness, loss of coordination, and fatigue).

Medical Conditions Generally Aggravated By Exposure -

Preexisting skin, kidney and respiratory conditions may be aggravated by exposure.

Other Precautions - NA

Other -

Exposure to undiluted antimicrobials in this product may cause allergic reaction.

Diethylene glycol monobutyl ether has been found to cause red blood cell hemolysis following ingestion in rats. Injury to other organs including liver and kidneys was considered secondary to the effect on the blood.

Carcinogenicity NTP-No IARC-No OSHA-No

Emergency and First Aid Procedures: Inhalation - remove to fresh air. Skin contact - wash using a mild soap. Eye contact - flush with water, see

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a physician. Ingestion - call a physician.

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### 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 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 ignite; do not cut, drill, grind or weld on or near container even when empty.

Other Precautions:

Not Applicable

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### 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.

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### 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%
NA	Glycol Ethers	3.0

This information should be included in all MSDSs that are copied and distributed for this material.

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

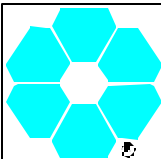
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The information set forth herein is furnished free of charge and is based

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**End of MSDS**

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