



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

## Material Safety Data Sheet

### Section 1 - Product Identification

Product Name: Vuldra 490

#### 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 |
|---------------------------------|----------|-----------|-------|

Proprietary Formula - Specific Chemical Identities Have Been Withheld

|                                                     |   |   |                    |
|-----------------------------------------------------|---|---|--------------------|
| 000057-55-6<br>Propylene glycol                     | - | - | AIHA WEEL<br>50ppm |
| 000078-96-6<br>Monoisopropanolamine                 | - | - |                    |
| 1852-04-6<br>Undecanedioic Acid                     | - | - |                    |
| 39464-69-2<br>Polyoxyethylene Oleyl Ether Phosphate | - | - |                    |

### Section 3 - Physical/Chemical Characteristics

|                          |               |
|--------------------------|---------------|
| Appearance               | Yellow liquid |
| Boiling Point, Deg. F    | Not Known     |
| Evaporation, BuAcetate=1 | Slower than   |
| Odor                     | Mild          |
| pH Diluted in water      | 9.5-10.0(5%)  |
| Solubility in water      | Emulsifies    |
| Vapor Density (Air=1)    | Not Known     |
| Vapor Pressure           | Not Known     |
| Pounds per gallon        | 8.494         |
| Specific Gravity         | 1.020         |

### 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. Acrylates. Aldehydes. Strong alkali. Ketones. Organic anhydrides. Organic halides. Oxidizing agents.  
 Hazardous Decomposition Products - Aldehydes. Ammonia. HCN-reducing atmosphere. Iodine vapors. Oxides of carbon. Oxides of nitrogen.  
 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.



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

## Material Safety Data Sheet

...continued

### 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. Possible blindness. Prolonged contact may cause burns. Redness. Stinging. Watering.

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

Inhalation - Vapors may cause irritation.

Ingestion - Diarrhea. Gastrointestinal irritation or ulceration. Nausea. Repeated excessive ingestion may cause CNS effects. Vomiting.

Signs And Symptoms of Exposure - As Noted Above.

Medical Conditions Generally Aggravated By Exposure - None Known.

Other Precautions - NA

Other - Overexposure may cause liver and/or kidney damage. Repeated exposures may cause liver and kidney injury.

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 a physician. Ingestion - call a physician.

---

### 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 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.

---

continued...



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

## Material Safety Data Sheet

...continued

**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% |
|------|-------------|---------|
|------|-------------|---------|

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.

---

The information set forth herein is furnished free of charge and is based on technical data that CCI Inc. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of the information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

---

**End of MSDS**

---