

# Material Safety Data Sheet

May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.



## Product Identity – Section I

Product Name: <b>UNI-CLEAN 88</b> CAS #: See Below Manufacturer: Arcal Chemicals, Inc. Address: 223 Westhampton Avenue Capitol Heights, MD 20743	Emergency Tele: (800) 424-9300 Revision Date: January 1, 2001 Other Tele: (301) 336-9303 or (888) 336-9303 Fax: (301) 336-6597
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## HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
Potassium Hydroxide CAS #1310-58-3	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
Glycol Ether CAS # 111-76-2	50 PPM	50 PPM

## PHYSICAL DATA – SECTION III

<b>APPEARANCE :</b> Light solution	<b>ODOR:</b> Mild	<b>MELT POINT:</b> N/A	<b>SPECIFIC GRAVITY:</b> 1.05
<b>VAPOR DENSITY:</b> N/A	<b>% VOLATILE BY VOLUME:</b> N/A	<b>BULK DENSITY:</b> N/A	<b>BOILING POINT:</b> 212°F
<b>VAPOR PRESSURE:</b> N/A	<b>% SOLUBILITY (H2O):</b> Complete		

## FIRE AND EXPLOSION HAZARD DATA – SECTION IV

<b>FLASH POINT:</b> None	<b>NFPA FIRE HAZARDS</b>  <table border="1"> <tr> <td><b>HEALTH</b></td> <td style="text-align: center;">3</td> </tr> <tr> <td><b>FLAMMABILITY</b></td> <td style="text-align: center;">1</td> </tr> <tr> <td><b>REACTIVITY</b></td> <td style="text-align: center;">0</td> </tr> <tr> <td><b>SPECIFIC</b></td> <td></td> </tr> </table>	<b>HEALTH</b>	3	<b>FLAMMABILITY</b>	1	<b>REACTIVITY</b>	0	<b>SPECIFIC</b>	
<b>HEALTH</b>		3							
<b>FLAMMABILITY</b>		1							
<b>REACTIVITY</b>		0							
<b>SPECIFIC</b>									
<b>FLAMMABLE LIMITS</b> <b>LEL:</b> N/A <b>UEL:</b> N/A									
<b>EXTINGUISHING MEDIA:</b> Water, dry chemical, foam									
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> None									
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> None <b>DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:</b> CO with incomplete combustion <b>EMPTY CONTAINER WARNING:</b> Rinse empty container with water used for dilution. Drain and rinse again.									

4 = EXTREME  
 3 = HIGH  
 2 = MODERATE  
 1 = SLIGHT  
 0 = INSIGNIFICANT

**REACTIVITY DATA – SECTION V**

Uni-Clean 88

**Stability:** Stable & polymerization will not occur

**CONDITIONS TO AVOID:** None known

**INCOMPATIBILITY (MATERIAL TO AVOID):** Mineral Acids

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** CO with incomplete combustion

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** None known

**HEALTH HAZARD DATA – SECTION VI**

**Route(s) of Entry:**      **Inhalation?**    Yes                      **Skin?**    Yes                      **Ingestion?**    Yes

**Health Hazards (Acute and Chronic):** Irritation of skin and eyes. Defatting of skin.

**CARCINOGENICITY:** None

**NTP?**    N/A

**IARC Monographs?**

N/A

**OSHA?** N/A

**MEDICAL CONDITIONS**

**GENERALLY AGGRAVATED by EXPOSURE:** Skin and eye irritation, skin changes.

**EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** If splashed into eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

**SKIN CONTACT:** In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

**INHALATION:** If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen if available.

**INGESTION:** If ingested, DO NOT induce vomiting; call a physician immediately.

**PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII**

**Steps to be taken in case material is released or spilled:** Remove all sources of flame and heat. Collect on absorbent material. Flush area with water.

**Waste Disposal Method:** Recover solvents by distillation and dispose in accordance with federal, state and local regulations.

**Precautions to be taken in handling and storing:** Store in cool, dry place. Avoid prolonged contact and inhalation of vapors. Keep away from sources of heat, sparks or flames. Keep containers closed when not in use.

**CONTROL MEASURES – SECTION VIII**

**Respiratory or breathing apparatus:** Use supplied-air respiratory protection in confined or enclosed spaces.

**Ventilation:** Yes

**Local Exhaust:**  
**Mechanical:**

**Special:**  
**Other:**

**Protective Gloves:** Chemical resistant

**Eye Protection:** Face shield or goggles

**Other Protective Clothing or Equipment:** Chemical resistant apron, boots and other protective gear.

**TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** Potassium Hydroxide Solution    **HAZARDOUS CLASS:** 8, Corrosive    **ID NUMBER:** UN1814    **PG:** II