

# 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: **ENVIRO-CLEAN “B-3”**  
 CAS #: See Below  
 Manufacturer: Arcal Chemicals, Inc.  
 Address: 223 Westhampton Avenue  
 Capitol Heights, MD 20743

Emergency Tele: (800) 424-9300  
 Revision Date: January 1, 2008  
 Other Tele: (301) 336-9300 or  
 (800) 638-2672  
 Fax: (301) 336-6597

## HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
Alkaline Compound CAS# 6834-92-0	N/E	N/E
Chelating Compound CAS# 5064-31-3	N/E	N/E

## PHYSICAL DATA – SECTION III

<b>APPEARANCE :</b> Pink	<b>ODOR:</b> Mild alkali odor	<b>MELT POINT:</b> N/A	<b>SPECIFIC GRAVITY:</b> 1.10
<b>VAPOR DENSITY:</b> equivalent to water	<b>% VOLATILE BY VOLUME:</b> 75	<b>BULK DENSITY:</b> 9.2 LB/GAL	<b>BOILING POINT:</b> 100°C
<b>VAPOR PRESSURE:</b> equivalent to water	<b>% SOLUBILITY (H2O):</b> Complete	<b>PH :</b> 11.4 Recommended usage is at 200 to 1 Ratio <b>PH of use solution :</b> 9.8 (pH for 0.5% - 1% solution)	

## FIRE AND EXPLOSION HAZARD DATA – SECTION IV

<b>FLASH POINT:</b> Will NOT FLASH	<table border="1"> <thead> <tr> <th colspan="2">NFPA FIRE HAZARDS</th> </tr> </thead> <tbody> <tr> <td><b>HEALTH</b></td> <td style="text-align: center;">1</td> </tr> <tr> <td><b>FLAMMABILITY</b></td> <td style="text-align: center;">0</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> </tbody> </table>	NFPA FIRE HAZARDS		<b>HEALTH</b>	1	<b>FLAMMABILITY</b>	0	<b>REACTIVITY</b>	0	<b>SPECIFIC</b>	
NFPA FIRE HAZARDS											
<b>HEALTH</b>		1									
<b>FLAMMABILITY</b>		0									
<b>REACTIVITY</b>	0										
<b>SPECIFIC</b>											
<b>FLAMMABLE LIMITS</b> LEL: None UEL: None											
<b>EXTINGUISHING MEDIA:</b> Water, dry chemical, foam											
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Use self-contained breathing apparatus when extinguishing product. Ventilate area as much as possible. No special hazard presented.											

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
**DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:** Burning of material may produce carbon monoxide and carbon dioxide.  
**EMPTY CONTAINER WARNING:** Empty containers retain hazardous residue. Rinse with ample water.

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

**REACTIVITY DATA – SECTION V**

Enviro-Clean B3

**Stability:** Stable & polymerization will not occur                      **CONDITIONS TO AVOID:** None known

**INCOMPATIBILITY (MATERIAL TO AVOID):** Avoid contact with strong oxidizing agents

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Burning of material may produce carbon monoxide

**HAZARDOUS POLYMERIZATION:** Will not occur                                      **CONDITIONS TO AVOID:** None known

**HEALTH HAZRD DATA – SECTION VI**

**Route(s) of Entry:**              **Inhalation?**      Not typical                      **Skin?**      Yes                      **Ingestion?**      Yes

**Health Hazards (Acute and Chronic):** Irritation of skin and eyes. Enviro-Clean is a powerful degreaser, and as such it may remove some or all of the oil from skin if contact occurs. This could lead to development of dermatitis.

**CARCINOGENICITY:** None                                      **NTP?**      N/A                                      **IARC Monographs?**      N/A                      **OSHA?** N/A

**MEDICAL CONDITIONS**

**GENERALLY AGGRAVATED by EXPOSURE:** Skin and eye irritation, dizziness and headaches.

**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. Apply a moisturizing lotion as soon as possible.

**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. This should not occur in normal environments.

**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:** Dispose of 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.

**CONTROL MEASURES – SECTION VIII**

**Respiratory or breathing apparatus:** Not needed in normal conditions

**Ventilation:** Yes                      **Local Exhaust or general air dilution is Sufficient**

**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:** Not Regulated For Transportation Purposes, No labels required.