

MCBRIDE RESEARCH LABORATORIES, INC.

Material Safety Data Sheet
 May be used to comply
 OSHA'S Hazard Communication Standard
 29 CFR 1910.1200 Standard must be
 consulted for specific requirements

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 omb No. 1218-0072

Identity					
DESIGN ESSENTIALS® LO-LYE RELAXER					
SECTION I					
Manufacturer's Name SCHMIT LABORATORIES, INC			Emergency Telephone Number 1- 773-476-0072		
Address 5837 S. OAKLEY STREET CHICAGO, IL 60635-1524			Telephone Number for Information 1-773-476-0072 Date Prepared 1-13-03		
Signature of Preparer (optional)					
SECTION II - Hazardous ingredients / Identity Information					
Hazardous component(s)					
Specific Chemical Identity; Common Name:	OSHA PEL	ACGHI TLV	other limits/recommended	CAS NUMBER	%
SODIUM HYDROXIDE				1310-73-2	1.8%
LITHIUM HYDROXIDE				1310-66-3	0.28%
SECTION III - Physical / Chemical Characteristics					
Boiling Point N/A		Specific Gravity .960			
Vapor Pressure N/A		Melting Point N/A			
Vapor Density N/A		Viscosity 80,000 – 120,000 cps			
Solubility in Water COMPLETELY DISPERSIBLE		pH 12 – 13			
Appearance and Order FRAGRANCE FREE CREAMY EMULSION					
SECTION IV - Fire and Explosion Hazard Data					
Flash Point (Method Used) N/A		Flammable Limits N/A		LEL N/A	Uel N/A
Extinguishing Media NOT COMBUSTIBLE					
Special Fire Fighting Procedures N/A					
Unusual Fire and Explosion Hazards N/A					
SECTION V					
Stability					
Unstable		Stable			
		X			
Conditions to Avoid: HIGH TEMPERATURES, INADEQUATE VENTILATION					
Incompatibility (Materials to Avoid): STRONG ACIDS					
Hazardous Decomposition or Byproducts: NONE					
Hazardous Polymerization					
May Occur		Will Not Occur			
		X			
Conditions to Avoid					
SECTION VI - Health Hazard Data					

Route(s) of Entry				
Inhalation	Skin	Ingestion	Eyes	
YES	YES	YES	YES	
Health Hazards (Acute and Chronic)				
<p>INHALTION: Airborne concentrations of dust , mistor spray of this product may damage the upper respiratory tract and lung tissue, which could produce chemical pneumonia, depending on severity of exposure. SKIN: Destructive to tissue contacted and produces burns. EYE: Destructive to eye tissue on contact. Will cause severe burns that result in damage to eyes, even blindness. INGESTION: Can cause severe burns and complete tissue perforation of mucous membranes of te mouth, throat, esophagus and stomach. (Caustic Soda is a corrosive material, Acute Oral LD 50 = 140-340mg.kg (rat), Acute Dermal LD 50 = 1350mg/kg (rabbit))</p> <p>Acute: Corrosive to all Body tissues with which it comes in contact</p> <p>Chronic: The effect of chronic local exposure may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, chronic inhalation of dust, spray or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness. These effects only occur when the TLV is exceeded.</p>				
Carcinocingicity				
NTP	IARC Monographs	OSHA Regulated		
NOT LISTED	NOT LISTED	NOT LISTED		
Signs and Symptoms of Exposure				
SOFTENING, REDDENING, BURNING OF THE SKIN, BURNING OF THE EYES, CAUSES SEVERE DISTENTION IF INGESTED.				
Medical Conditions Generally Aggravated by Exposure: N/A				
Emergency and First Aid Procedures				
<p>SKIN: Immediately wash with soap and water, rinse for at least 15 minutes. EYES: Immediately flush with plenty of water for at least 15 mins. Holding eyelids apart to ensure flushing of the entire eye surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. INGESTION: Never give anything by mouth to an unconscious person. DO NOT induce vomiting. Give large quantities of water or milk if available. If vomiting occurs spontaneously, keep airway open. INHALATION: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, give mouth to mouth resuscitation. ALL CASES: seek medical attention immediately.</p>				
SECTION VII				
Steps to be taken in case material is released or spilled				
WEAR PROTECTIVE CLOTHING, GOGGLES, AND GLOVES. CONTAIN SPILL. FOLLOW NORMAL CLEAN-UP PROCEDURES				
Waste Disposal Method				
FOLLOW LOCAL WASTE REMOVAL GUIDELINES				
Precautions to be taken in Handling and Storage				
1) Do not get in eyes, on skin or on clothing. 2) Do not take internally. 3) When handling wear protective clothing, goggles, face shield, and gloves. 4) Wash thoroughly after handling or exposure. Exposure can cause burns that are not immediately painful or visible. 5) Keep container closed. 6) Product is corrosive to tin, aluminum, zinc, and alloys containing these metals in powder form. 6) Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and can cause death. Follow appropriate tank entry procedures (ANSIZ117.1-1977).				
Other Precautions				
Causes severe burns to skin, eyes and mucous membranes. Contact with eyes can cause permanent eye damage. Inhalation of dust, mist or spray can cause severe lung damage. Can react violently with acids and other substances.				
SECTION VIII - Control Measures				
Respiratory Protection (Specify Type)				
WEAR MASK IF EXPOSURE TO MIST				
Ventilation				
Local Exhaust	Mechanical	Special	Other	
RECOMMENDED	(General) RECOMMENDED			
Protective Gloves	CHEMICAL RESISTANT GLOVES	Eye Protection	CHEMICAL SAFETY GOGGLES AND FULL FACE SHEILD	
Other Protective Clothing or Equipment				
IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICALLY RESISTANT SAFETY SHOES. SHOWERS AND EYEWASH FACILITIES SHOULD BE ACCESSIBLE.				
Work / Hygienic Practices N/A				
Other NONE				