



MATERIAL SAFETY DATA SHEET
UYEMURA INTERNATIONAL CORPORATION
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TELEPHONE: 1-800-969-4842

Product code #30-0009

ACL-009

D.O.T. PROPER SHIPPING NAME : ETHANOLAMINE
HAZARD CLASS : 8
I.D. NUMBER: UN2491 PG III
LABELS REQUIRED : CORROSIVE

FOR CHEMICAL EMERGENCY-SPILL, LEAK, EXPOSURE OR ACCIDENT
CALL CHEMTREC 1-800-424-9300 REVISED: 4/98 REVISION: F

SECTION I	
Chemical Name, Trade Name:	Mild alkaline cleaner
Chemical family :	Proprietary Mixture of organic and inorganic salts
Chemical formula:	Proprietary
NFPA 704M Rating :	Health (2), Flammability(0), Reactivity (0) ,Contact (0)
4= Extreme; 3= Severe; 2 = Moderate ; 1= Slight ; 0 =No known hazard	
Precautionary Warnings : Irritating to eyes, nose and throat.	

SECTION II - HAZARDOUS INGREDIENTS			
Principal Hazardous Component(s)	%	CAS#	TLV(Unit)
Diethylenetriamine	3	111-40-0	
Section 2B: Carcinogenic Ingredients			
None			
Section 2C: Mutagenic ingredients			
None			

SECTION III - HEALTH HAZARD DATA	
Threshold Limit Value :	Not established
Target Organs: Respiratory system, skin, eyes	
Effects of Overexposure : Irritation of eye, ear, nose, throat and respiratory tract.	
Emergency and First Aid Procedures : Use ample amounts of water (>15 min.) to rinse in case of contact with skin or eyes. Inhalation, move to fresh air for 15 min., apply artificial respiration if necessary. In the case of oral consumption, contact a physician immediately, DO NOT INDUCE VOMITING. Give large quantities of water. If vomiting occurs spontaneously make sure airway is clear. Remove contaminated clothing and wash thoroughly. CONTACT A PHYSICIAN IMMEDIATELY !	

SECTION IV - PHYSICAL DATA		
Boiling Point (°F) :	>212°F	Specific Gravity (H ₂ O=1) : 1.06
Vapor Pressure (mm Hg) :	N/A	% Volatile by Volume :N/A
Vapor Density (air=1) :	N/A	Evaporation Rate :N/A
Solubility in Water :	Soluble	pH 8-9
Appearance and Odor : Clear, colorless solution ,odorless.		

SECTION V - FIRE AND EXPLOSION HAZARD DATA		
Flash Point (Method used) :	Non-Flammable	Flammable Limits Uel:N/A
Extinguishing Media :	Water fog.	Lel: N/A
Special Fire Fighting Procedures : N/A		
Unusual Fire and Explosion Hazards : N/A		

SECTION VI- REACTIVITY DATA	
Stability -- Stable	Condition to Avoid : None
Incompatibility (Materials to avoid) : None	
Hazardous Decomposition Products : None	
Hazardous Polymerization -- Can Not Occur	

SECTION VII - SPILL OR LEAK PROCEDURES	
Steps to be taken in case material is released or spilled : Soak up the spill or powder with an inert material.	
Waste Disposal Method : All spills should be disposed of in accordance with all State and local regulations.	

SECTION VIII - SPECIAL PROTECTION INFORMATION	
Respiratory Protection (Specify type) : NIOSH approved dust or mist mask	
Ventilation	Local Exhaust : Local exhaust to keep dust and mist at a minimum. Mechanical : General ventilation required.
Other :	Protective Gloves : Rubber gloves. Eye Protection : Face shield and splash-proof safety goggles. Contact lens should not be worn.
Other Protective Equipment :	Rubber apron.

SECTION IX - SPECIAL PRECAUTIONS
Precautions to be taken in Handling and Storing : Store in a dry area at moderate temperatures in closed containers. Store away from food and beverages.
Other Precautions: These are chemical substances, and precautionary steps should be taken when handling and using this product.

All components appear on the Toxic Substance Control Act (TSCA) Chemical Substances Inventory.

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