

# Material Safety Data Sheet

BIN 71

Date last revised September 12, 1991

## I. General Information

Chemical Name & Synonyms Proprietary Blend	Trade Name & Synonyms Peel Away St-1
Chemical Family Alkaline	Formula Mixture
Proper DOT Shipping Name Sodium hydroxide solid mixture, UN 1823	DOT Hazard Classification Containers smaller than 6 liters - ORM-d; Larger - corrosive material
Manufacturer Dumond Chemicals, Inc.	Manufacturer's Phone Number (212) 869-6350
Manufacturer's Address 1501 Broadway, New York, NY 10036	Emergency Number: (800) 457-4280

## II. Ingredients

Principal Hazardous Components	Percent	PEL/ Threshold Limit Value (units)
Calcium Hydroxide 1305-62-0	21	5 mg/m <sup>3</sup>
Magnesium Hydroxide 1309-42-8	16	None Established
Sodium Hydroxide 1310-73-2	9	2 mg/m <sup>3</sup>
Water and other non-hazardous materials	Balance	None Established
SARA 313: This product contains no chemicals regulated under SARA 313.		

## III. Physical Data

Boiling Point (°F) >100C/212F	Specific Gravity (H <sub>2</sub> O = 1) 1.33
Vapor Pressure (mm Hg.) @ 20C same as water	Percent Volatile By Volume (%) 50
Vapor Density (Air = 1) Same as water	Evaporation Rate (_____ = 1) Same as water
Solubility in Water Complete	pH 13
Appearance & Odor Blue paste, no odor	

## IV. Fire & Explosion Hazard Data

Flash Point (Test Method) None	Auto Ignition Temperature None	
Flammable Limits None	LEL N/A	UEL N/A
Extinguishing Media This material is not combustible. Use any media appropriate for the surrounding fire.		
Special Fire Fighting Procedures Wear full protective equipment and NIOSH approved positive pressure SCBA. Cool containers with water.		
Special Fire & Explosion Hazards At elevated temperatures containers may rupture. Contents are corrosive - all personal contact should be avoided.		

OSHA Permissible Exposure Limit

See Section II

Carcinogen - NTP Program

No

ACGIH Threshold Limit Value

See Section II

Carcinogen - IARC Program

No

Symptoms of Exposure

Eye: May cause severe burns - possible permanent damage. Skin: Chemical burns with reddening and pain, dermatitis. Inhalation: Eye and respiratory irritation. Ingestion: Burns to mouth, gastro-intestinal corrosion.

Medical Conditions Aggravated By Exposure

Individuals with chronic respiratory or skin diseases may be at increased risk from exposure.

Primary Route(s) of Entry

Eye, skin, ingestion.

Emergency First Aid Eye: Flush with water, 30 minutes. Get immediate medical attention.

Skin: Flush thoroughly with water at least 15 minutes. Remove contaminated clothing.

See physician for irritation. Inhalation: Remove to fresh air. Get medical attention.

Ingestion: Give water/milk if conscious. Do not induce vomiting. Get immediate medical attention

### VI. Reactivity Data

Stability	<input type="checkbox"/> Unstable	Conditions To Avoid	
	<input checked="" type="checkbox"/> Stable	N/A	
Incompatibility		Materials To Avoid	
Hazardous	<input type="checkbox"/> May Occur	Conditions To Avoid	
Polymerization	<input checked="" type="checkbox"/> Will Not Occur	N/A	
Hazardous Decomposition Products			
None known			

### VII. Environmental Protection Procedures

Spill Response

Wear appropriate protective clothing. Collect into closed containers. Wash spill area with water.

Waste Disposal Method

Dispose in accordance with all regulations.

### VIII. Special Protection Information

Eye Protection

Chemical goggles or faceshield

Skin Protection

Rubber or neoprene gloves

Respiratory Protection (Specific Type) None normally needed

For spraying see below

Ventilation Recommended

Mechanical is generally adequate

Other Protection

Impervious apron, boots, etc., as needed, eye wash, safety shower

### IX. Special Precautions

Hygienic Practices In Handling & Storage

Store in a cool area, away from acids and other incompatible substances.

Work Practices: Prevent eye and skin contact. Do not breathe mists or aerosols. For spray application where the TLV or PEL may be exceeded a NIOSH approved dust/mist respirator (mask) and appropriate eye protection is recommended.

Other Precautions

Use only with appropriate protective equipment. Wash thoroughly after use.