

Material Safety Data Sheet

Date last reviewed: January 1, 2005

I. General Information

Chemical Name & Synonyms Proprietary Blend	Trade Name & Synonyms Peel Away ST-1
Chemical Family Alkaline	Formula Mixture
Proper DOT Shipping Name Containers 2.2 lbs. (1 kg) or smaller: ORM-D Containers greater than 2.2 lbs. (1 kg): Sodium Hydroxide Solid Mixture, 8, UN1823, PGII	DOT Hazard Classification Class 8, PGII (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	CAS #	Percent	PEL	TLV
Calcium Hydroxide	1305-62-0	21	5 mg/m ³ TWA (respirable fraction)	5 mg/m ³ TWA
Magnesium Hydroxide	1309-42-8	16	None Established	None Established
Sodium Hydroxide	1310-73-2	9	2 mg/m ³ TWA	2 mg/m ³ Ceiling
Non-hazardous Ingredients	N/A	Balance	None Established	None Established

SARA 313: This product contains no chemicals that are regulated under SARA Title III, section 313.

III. Physical Data

Boiling Point (°F) Greater than 212	Specific Gravity (H ₂ O =1) 1.33
Vapor Pressure (mm Hg @ 20°C) same as water	Percent Volatile by Volume (%) 50
Vapor Density (Air=1) same as water	Evaporation Rate (Butyl Acetate =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	Autoignition Temperature None		
Flammable Limits None	LEL N/A	UEL N/A	
Extinguishing Media This material is not combustible. Use media appropriate for the surrounding fire.			
Special Fire Fighting Procedures Wear full emergency equipment and NIOSH approved positive pressure SCBA. Cool containers with water.			
Unusual Fire & Explosion Hazards At elevated temperatures containers may rupture. Contents are corrosive. All personal contact should be avoided.			
HMIS Ratings	Health: 3	Flammability: 0	Reactivity: 0

V. Health Hazard Data

OSHA Permissible Exposure Limit See Section II	ACGIH Threshold Limit Value See Section II
Carcinogen - NTP Program No	Carcinogen - IARC No
Symptoms of Exposure Acute Effects: Eyes: May cause severe burns with possible permanent damage. Skin: May cause chemical burns with reddening and pain. Inhalation: May cause eye and respiratory irritation. Ingestion: May cause burns to mouth and gastrointestinal corrosion. Chronic Effects: Repeated skin contact with dilute solutions or mists may cause dermatitis.	
Medical Conditions Aggravated By Exposure: Individuals with chronic respiratory or skin diseases may be at risk from exposure.	
Primary Route(s) of Entry Eye, skin, ingestion	
Emergency First Aid Eye: Flush with water for 30 minutes. Get immediate medical attention. Skin: Flush thoroughly w/water for 15 minutes. Remove contaminated clothing. Get medical attention for irritation. Inhalation: Remove to fresh air. Get immediate medical attention. Ingestion: If conscious, give water or milk. Do not induce vomiting. Get immediate medical attention.	

IV. Reactivity Data

Stability	X	Unstable Stable	Conditions to Avoid N/A
Incompatibility Acids, flammable liquids, organic halogens, nitromethane and metals such as aluminum, tin or zinc.			
Hazardous Polymerization	X	May Occur Will Not Occur	Conditions to Avoid N/A
Hazardous Decomposition None known.			

VII. Environmental Protection Procedures

Spill Response Wear appropriate protective clothing. Collect into closable containers. Wash spill area with water. Prevent runoff from entering sewers or waterways. Report spills as required.
Waste Disposal Method Dispose of in accordance with all state, local and federal regulations.

VIII. Special Protection Information

Eye Protection Chemical safety goggles/Faceshield	Skin Protection Rubber or neoprene gloves
Respiratory Protection (Specific Type) For spray application, wear a NIOSH approved dust respirator & eye protection.	Ventilation Recommended None normally required. If exposure limits are exceeded, local exhaust may be required.
Other Protection Impervious apron, boots, safety shower, eye wash as needed.	

IX. Special Precautions

Hygienic Practices in Handling & Storage Store in a cool, well ventilated area away from acids and other incompatible substances.
Work Practices Prevent eye and skin contact. Do not breathe mists or aerosols.
Other Precautions Use only with appropriate protective equipment. Wash thoroughly after use.