

# Material Safety Data Sheet

Date last reviewed: January 1, 2008

## I. General Information

Chemical Name & Synonyms <b>Proprietary Blend</b>	Trade Name & Synonyms <b>Peel Away ST-1</b>
Chemical Family <b>Alkaline</b>	Formula <b>Mixture</b>
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 <b>Dumond Chemicals, Inc.</b>	Manufacturer's Phone Number <b>(212) 869-6350</b>
Manufacturer's Address <b>1501 Broadway, New York, NY 10036</b>	Emergency Number: <b>(800) 457-4280</b>

## II. Ingredients

Principal Hazardous Components	CAS #	Percent	PEL	TLV
Calcium Hydroxide	1305-62-0	21	5 mg/m <sup>3</sup> TWA (respirable fraction)	5 mg/m <sup>3</sup> TWA
Magnesium Hydroxide	1309-42-8	16	None Established	None Established
Sodium Hydroxide	1310-73-2	9	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> 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) <b>Greater than 212</b>	Specific Gravity (H <sub>2</sub> O =1) <b>1.33</b>
Vapor Pressure (mm Hg @ 20°C) <b>same as water</b>	Percent Volatile by Volume (%) <b>50</b>
Vapor Density (Air=1) <b>same as water</b>	Evaporation Rate (Butyl Acetate =1) <b>same as water</b>
Solubility in Water <b>Complete</b>	pH <b>13</b>
Appearance & Odor <b>Blue paste, no odor.</b>	

## IV. Fire & Explosion Hazard Data

Flash Point (Test Method) <b>None</b>	Autoignition Temperature <b>None</b>		
Flammable Limits <b>None</b>	LEL <b>N/A</b>	UEL <b>N/A</b>	
Extinguishing Media <b>This material is not combustible. Use media appropriate for the surrounding fire.</b>			
Special Fire Fighting Procedures <b>Wear full emergency equipment and NIOSH approved positive pressure SCBA. Cool containers with water.</b>			
Unusual Fire & Explosion Hazards <b>At elevated temperatures containers may rupture. Contents are corrosive. All personal contact should be avoided.</b>			
HMIS Ratings	Health: 3	Flammability: 0	Reactivity: 0

### V. Health Hazard Data

OSHA Permissible Exposure Limit <b>See Section II</b>	ACGIH Threshold Limit Value <b>See Section II</b>
Carcinogen - NTP Program <b>No</b>	Carcinogen - IARC <b>No</b>
Symptoms of Exposure <b>Acute Effects:</b> 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. <b>Chronic Effects:</b> 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 <b>Eye, skin, ingestion</b>	
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 <b>Acids, flammable liquids, organic halogens, nitromethane and metals such as aluminum, tin or zinc.</b>			
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 <b>Chemical safety goggles/Faceshield</b>	Skin Protection <b>Rubber or neoprene gloves</b>
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 <b>Impervious apron, boots, safety shower, eye wash as needed.</b>	

### IX. Special Precautions

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