

**MATERIAL SAFETY DATA SHEET
PEEL AWAY ST-1**

SECTION 1 IDENTIFICATION

Product Name: PEEL AWAY ST-1

Manufacturer:
DUMOND CHEMICALS, INC
104 Interchange Plaza, Suite 202
Monroe Township, NJ 08831
609-655-7700

MSDS Date of Preparation: 6/23/11

EMERGENCY PHONE: (800)457-4280 (InfoTrac) #79363

SECTION 2 PRODUCT COMPONENTS

INGREDIENTS	CAS#.	WT.%	EXPOSURE LIMITS
Calcium hydroxide	1305-62-0	21	5 mg/m ³ TWA (ACGIH) 5 mg/m ³ TWA (OSHA)
Magnesium hydroxide	1309-42-8	16	None established
Sodium hydroxide	1310-73-2	9	2 mg/m ³ Ceiling (ACGIH) 2 mg/m ³ TWA (OSHA)
Non-hazardous Ingredients	NA	Balance	None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! CORROSIVE!

This product is a blue paste with no odor. Direct contact with the eyes may cause severe burns with possible corneal damage and blindness. Skin contact may cause chemical burns or dermatitis if exposure is prolonged. Vapors or mists may cause irritation to the eyes, mucous membranes and respiratory tract. Higher concentrations may cause severe irritation and pulmonary edema. Ingestion may cause gastrointestinal corrosion, vomiting, diarrhea, shock or death.

HEALTH HAZARDS:

INHALATION: Mist and vapors may cause irritation to the eyes, mucous membranes and upper respiratory tract. Higher concentrations may cause severe irritation and pulmonary edema.

SKIN CONTACT: May cause chemical burns with reddening and pain. Prolonged or repeated skin contact with diluted solutions or mists may cause dermatitis.

EYE CONTACT: May cause severe burns with possible permanent damage and blindness.

INGESTION: May cause gastrointestinal corrosion, vomiting, diarrhea, shock and death.

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated skin contact with diluted solutions or mists may cause dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory or skin diseases may be at increased risk from exposure to this material.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eye with water for at least 30 minutes while lifting the upper and lower lids. Get immediate medical attention.

SKIN CONTACT: Flush contact area thoroughly with water until no traces of the chemical remains (15-30 minutes). Remove contaminated clothing immediately and launder before reuse. Get medical attention if irritation develops.

INHALATION: Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate medical attention.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES (continued)

INGESTION: If conscious, give water or milk to dilute. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

FLASH POINT: None

METHOD: N/A

FLAMMABLE LIMITS: (vol % in air) LEL: Not applicable UEL: Not applicable

AUTOIGNITION TEMPERATURE: Not established

EXTINGUISHING MEDIA: This material is not combustible. Use any media that is suitable for the surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray or stream.

UNUSUAL FIRE AND EXPLOSION HAZARDS: At elevated temperatures containers may rupture. Contents are corrosive and all personal contact must be avoided.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective clothing to prevent eye and skin contact. Collect into closable containers for disposal. Flush spill area with water. Prevent runoff to storm sewers and ditches leading to natural waterways. Report spill as required by local and federal regulations.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect containers from physical damage. Store in a cool, well ventilated area away from acids and other incompatible materials.

Prevent eye and skin contact. Do not breathe mists or aerosols. Use only with appropriate protective equipment. Immediately remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

OTHER PRECAUTIONS: Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

RESPIRATORY PROTECTION: None needed under normal use conditions. For spray application where the TLV is exceeded use a NIOSH approved dust/mist respirator (mask) with appropriate eye protection. A full facepiece respirator provides both eye and respiratory protection. For higher concentrations (greater than 10 times the TLV) an approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

VENTILATION: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

GLOVES: Rubber, neoprene or other impervious gloves are required.

PROTECTIVE CLOTHING: Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible.

EYE PROTECTION: Chemical safety goggles and/or face shield required. Do not wear contact lenses.

OTHER PROTECTIVE EQUIPMENT: For operations where contact can occur, a safety shower and an eye wash facility should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT (@ 760 mmHg): Greater than 212 °F/ 100 °C
SPECIFIC GRAVITY (H2O=1): 1.33
VAPOR PRESSURE (@ 20 C mm Hg): Similar to water
VAPOR DENSITY (AIR=1): Same as water
EVAPORATION RATE (Butyl alcohol = 1): Same as water
COEFFICIENT OF WATER/OIL: Not available
APPEARANCE AND ODOR: Blue paste, no odor.

MELTING POINT: Not available
VOLATILE: 50%
pH: 13
SOLUBILITY IN WATER: Complete

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

CONDITIONS TO AVOID: Not applicable.

INCOMPATIBILITY: Acids, flammable liquids, organic halogens, nitromethane, metals such as aluminum, tin and zinc.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

TOXICOLOGY DATA: This product has not been tested as a whole. Toxicity values for the components are:

	<u>LD50</u>	<u>LC50</u>
Calcium hydroxide	7340 mg/kg oral rat	No data available
Magnesium hydroxide	No data available	No data available
Sodium hydroxide	40 mg/kg ipr mouse	No data available

None of the components is listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

Calcium hydroxide and sodium hydroxide are mutagenic in some test systems.

None of the components are known to cause sensitization in animals or humans.

None of the components are known to cause adverse reproductive effects or teratogenic effects in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

There is no ecotoxicity data available for this product at this time.

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Containers 2.2 lbs. (1 kg.) or smaller: Consumer Commodity, ORM-D
Containers larger than 2.2 lbs. (1 kg): Sodium Hydroxide Solid Mixture, 8 UN1823, PGII
DOT HAZARD CLASSIFICATION: Class 8, PGII (Corrosive material)
DOT LABELS REQUIRED (49CFR172.101): Corrosive
UN NUMBER: UN 1823

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Corrosive

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 HAZARD CLASSIFICATION: Acute health.

SECTION 15: REGULATORY INFORMATION (continued)

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

WHMIS CLASSIFICATION: Class E - Corrosive

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product is not known to contain any chemicals which are known to the State of California to cause cancer or reproductive harm. .

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 3 Fire: 0 Reactivity: 0