

**MATERIAL SAFETY DATA SHEET  
PEEL AWAY 1**

**SECTION 1 IDENTIFICATION**

**Product Name: PEEL AWAY 1**

**Manufacturer:**  
DUMOND CHEMICALS, INC  
104 Interchange Plaza, Ste. 202  
Monroe Township, NJ 08831  
(609) 655-7700

MSDS Date of Preparation: 6/23/11

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

**SECTION 2: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER! CORROSIVE!**

This product is a white 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. May cause dermatitis if exposure is prolonged. Vapors or mists may cause irritation to the eyes, mucous membranes and respiratory tract. Ingestion may cause gastrointestinal corrosion, vomiting, diarrhea, shock or death.

**SECTION 3: PRODUCT COMPONENTS**

<b>INGREDIENTS</b>	<b>CAS#.</b>	<b>WT.%</b>
Calcium hydroxide	1305-62-0	21
Magnesium hydroxide	1309-42-8	16
Sodium hydroxide	1310-73-2	09
Water	NA	Balance

**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 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.

**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**

**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

### INGREDIENTS

### EXPOSURE LIMITS

Calcium hydroxide	5 mg/m <sup>3</sup> TWA (ACGIH) 5 mg/m <sup>3</sup> TWA (OSHA) (respirable fraction)
Magnesium hydroxide	None established
Sodium hydroxide	2 mg/m <sup>3</sup> Ceiling (ACGIH) 2 mg/m <sup>3</sup> TWA (OSHA)
Non-hazardous Ingredients	None Established

**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

**APPEARANCE AND ODOR:** White paste, no odor.

**BOILING POINT (@ 760 mmHg):** Greater than 212 °F/ 100 °C

**VAPOR DENSITY (AIR=1):** Same as water

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE (Butyl alcohol = 1):** Same as water)

**FLASH POINT:** None

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

**MELTING POINT:** Not available

**VOLATILE:** 51.5%

**pH:** 13

**COEFFICIENT OF WATER/OIL:** Not available

**METHOD:** N/A

**UEL:** Not applicable

## 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

### HEALTH HAZARDS:

**INHALATION:** Mist and vapors may cause irritation to the eyes, mucous membranes and upper respiratory tract.

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

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

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

**CHRONIC EFFECTS OF OVEREXPOSURE:** 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 increased risk from exposure to this material.

**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): UN1823, Sodium Hydroxide Solid Mixture, 8, 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.

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

**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. .

**WHMIS CLASSIFICATION:** Class E - Corrosive

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

**CANADIAN ENVIRONMENTAL PROTECTION ACT:** All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

**SECTION 16: OTHER INFORMATION**

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