

Issue Date 23-Jun-2011

Revision Date 3-Mar-2015

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

Product Name Peel Away ST-1

**Other Means of Identification**

SDS # DCI-026

UN/ID No UN1823

**Recommended Use of the Chemical and Restrictions on Use**

Recommended Use Paint removal from steel structures.

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address**

Dumond Chemicals, Inc.  
 83 General Warren Blvd  
 Suite 190  
 Malvern, PA 19355

**Emergency Telephone Number**

Company Phone Number 1-609-655-7700  
 Emergency Telephone INFOTRAC 1-352-323-3500 (International)  
 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Classification**

|  |                           |
|--|---------------------------|
| Skin corrosion/irritation                        | Category 1 Sub-category B |
| Serious eye damage/eye irritation                | Category 1                |
| Specific target organ toxicity (single exposure) | Category 3                |

**Signal Word**

Danger

**Hazard Statements**

Causes severe skin burns and eye damage  
 May cause respiratory irritation. May cause drowsiness or dizziness



Appearance blue paste

Physical State Paste

Odor No odor

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS No    | Weight-% |
|---------------------|-----------|----------|
| Calcium hydroxide   | 1305-62-0 | 21       |
| Magnesium hydroxide | 1309-42-8 | 16       |
| Sodium hydroxide    | 1310-73-2 | 9        |
| Water               | N/A       | 46       |

### 4. FIRST AID MEASURES

**First Aid Measures**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention/advice.                              |
| <b>Eye Contact</b>  | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice. |
| <b>Ingestion</b>    | If conscious, give 1 glass of water or milk to dilute. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if necessary.         |
| <b>Skin Contact</b> | Wash thoroughly with soap and water (15-30 minutes) until no traces of the chemical remain. Remove contaminated clothing and shoes. Get medical attention if irritation occurs.   |

**Most Important Symptoms and Effects, both Acute and Delayed**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Causes painful stinging or burning of eyes and lids, watering of eyes. May cause severe chemical burns with reddening and pain. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause burns to mouth, esophagus and stomach. Swallowing large quantities may cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea. |
|-----------------|---|

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

At elevated temperatures, containers may rupture. Contents are corrosive and all personal contact must be avoided. Cool containers exposed to flames with water until well after the fire is out.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** Do not allow into any sewer, on the ground or into any body of water.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal.

**Methods for Cleaning Up** Keep in suitable, closed containers for disposal. Wash spill area with plenty of water. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Protect container from physical damage. Since empty container retains residue, follow all label warnings even after container is empty. Avoid contact with skin, eyes or clothing. Do not breathe mists or aerosols. Remove contaminated clothing and shoes. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Use personal protection recommended in Section 8. Use only in well-ventilated areas.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep away from acids and other incompatible materials. Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

**Incompatible Materials** Acids. Flammable liquid. Organic halogen compounds. Nitromethane. Metals such as aluminum, tin, and zinc.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical Name                  | ACGIH TLV                    | OSHA PEL  | NIOSH IDLH   |
|--------------------------------|------------------------------|---|--|
| Calcium hydroxide<br>1305-62-0 | TWA: 5 mg/m <sup>3</sup>     | TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> not in effect as a result of reconsideration | TWA: 5 mg/m <sup>3</sup>                                   |
| Sodium hydroxide<br>1310-73-2  | Ceiling: 2 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>   | IDLH: 10 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup> |

**Appropriate Engineering Controls****Engineering Controls**

For operations where contact can occur, a safety shower and an eye wash facility should be available. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions.

**Individual Protection Measures, such as Personal Protective Equipment****Eye/Face Protection**

Use chemical safety goggles and/or full-face shield where dusting is possible. Do not wear contact lenses.

**Skin and Body Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Rubber, neoprene, or other impervious gloves are recommended to prevent skin contact.

**Respiratory Protection**

None needed under normal use conditions with adequate ventilation. If the occupational exposure limits are exceeded, a NIOSH approved respirator with acid gas cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

|                |            |                |                |
|----------------|------------|----------------|----------------|
| Physical State | Paste      | Odor           | No odor        |
| Appearance     | blue paste | Odor threshold | Not determined |
| Color          | Blue       |                |                |

| <u>Property</u>              | <u>Values</u>      | <u>Remarks • Method</u> |
|------------------------------|--------------------|-------------------------|
| pH                           | 12                 |                         |
| Melting point/freezing point | Not available      |                         |
| Boiling point/boiling range  | > 100 °C / 212 °F  |                         |
| Flash point                  | None               |                         |
| Evaporation rate             | Same as water      |                         |
| Flammability (solid, gas)    | Not determined     |                         |
| Flammability limits in air   |                    |                         |
| Upper flammability limits    | Not applicable     |                         |
| Lower flammability limit     | Not applicable     |                         |
| Vapor pressure               | Similar to water   |                         |
| Vapor density                | Same as water      |                         |
| Specific gravity             | 1.33               |                         |
| Water solubility             | Completely soluble |                         |
| Solubility in other solvents | Not determined     |                         |
| Partition coefficient        | Not available      |                         |
| Autoignition temperature     | Not established    |                         |

|                           |                |
|---------------------------|----------------|
| Decomposition temperature | Not determined |
| Kinematic viscosity       | Not determined |
| Dynamic viscosity         | Not determined |
| Explosive properties      | Not determined |
| Oxidizing Properties      | Not determined |

**Other Information**

|                 |           |
|-----------------|-----------|
| VOC Content (%) | 0%        |
| VOC Content     | 0 lbs/gal |

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

Acids. Flammable liquid. Organic halogen compounds. Nitromethane. Metals such as aluminum, tin, and zinc.

**Hazardous Decomposition Products**

None known.

**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure****Product Information**

|              |                                  |
|--------------|----------------------------------|
| Inhalation   | Avoid breathing vapors or mists. |
| Eye Contact  | Causes serious eye damage.       |
| Skin Contact | Causes severe skin burns.        |
| Ingestion    | Do not taste or swallow.         |

**Component Information**

| Chemical Name                    | Oral LD50            | Dermal LD50             | Inhalation LC50 |
|----------------------------------|----------------------|-------------------------|-----------------|
| Water<br>7732-18-5               | > 90 mL/kg ( Rat )   | -                       | -               |
| Calcium hydroxide<br>1305-62-0   | = 7340 mg/kg ( Rat ) | -                       | -               |
| Magnesium hydroxide<br>1309-42-8 | = 8500 mg/kg ( Rat ) | -                       | -               |
| Sodium hydroxide<br>1310-73-2    | -                    | = 1350 mg/kg ( Rabbit ) | -               |

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Causes painful stinging or burning of eyes and lids, watering of eyes. May cause severe chemical burns with reddening and pain. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause burns to mouth and gastrointestinal corrosion.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.

**Numerical Measures of Toxicity- Product**

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 21097 mg/kg  
 ATEmix (dermal) 9445 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

| Chemical Name                  | Algae/aquatic plants | Fish   | Toxicity to microorganisms | Crustacea |
|--------------------------------|----------------------|--|----------------------------|-----------|
| Calcium hydroxide<br>1305-62-0 |                      | 160: 96 h Gambusia affinis<br>mg/L LC50 static     |                            |           |
| Sodium hydroxide<br>1310-73-2  |                      | 45.4: 96 h Oncorhynchus<br>mykiss mg/L LC50 static |                            |           |

**Persistence and Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

| Chemical Name | California Hazardous Waste Status |
|---------------|-----------------------------------|
|---------------|-----------------------------------|

|                                |                    |
|--------------------------------|--------------------|
| Calcium hydroxide<br>1305-62-0 | Corrosive          |
| Sodium hydroxide<br>1310-73-2  | Toxic<br>Corrosive |

**14. TRANSPORT INFORMATION**

**Note** Based on package size, product may be eligible for limited quantity exception

**DOT**

UN/ID No UN1823  
 Proper Shipping Name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 Packing Group II

**IATA**

UN/ID No UN1823  
 Proper Shipping Name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 Packing Group II

**IMDG**

UN/ID No UN1823  
 Proper Shipping Name Sodium hydroxide, solid, mixture  
 Hazard Class 8  
 Packing Group II

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Listed

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances IECSC*

*- China Inventory of Existing Chemical Substances KECL -*

*Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

#### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

| Chemical Name                 | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances                |
|-------------------------------|-----------------------------|------------------------|---------------------------|---|
| Sodium hydroxide<br>1310-73-2 | 1000 lb                     |                        |                           | X   |
| Chemical Name                 | Hazardous Substances RQs    | CERCLA/SARA RQ         |                           | Reportable Quantity (RQ)                  |
| Sodium hydroxide<br>1310-73-2 | 1000 lb                     |                        |                           | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

### US State Regulations

#### U.S. State Right-to-Know Regulations

| Chemical Name                  | New Jersey | Massachusetts | Pennsylvania |
|--------------------------------|------------|---------------|--------------|
| Calcium hydroxide<br>1305-62-0 | X          | X             | X            |
| Sodium hydroxide<br>1310-73-2  | X          | X             | X            |

### U.S. EPA Label Information



**16. OTHER INFORMATION**

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | 3                     | 0                   | 0                       | Not determined             |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|                    | Not determined        | Not determined      | Not determined          | Not determined             |

|               |             |
|---------------|-------------|
| Issue Date    | 23-Jun-2011 |
| Revision Date | 12-Dec-2012 |
| Revision Note | New format  |

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet