

**MATERIAL SAFETY DATA SHEET  
PEEL AWAY SMART STRIP PRO**

**SECTION 1 IDENTIFICATION**

**Product Name: PEEL AWAY SMART STRIP PRO**

**Manufacturer:**  
DUMOND CHEMICALS, INC  
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**

<b>INGREDIENTS</b>	<b>CAS#.</b>	<b>WT.%</b>
Benzyl Alcohol	100-51-6	30-50
Titanium Dioxide	13463-67-7	1-5
Formic Acid	64-18-6	1-5
Non-hazardous ingredients	Proprietary	1-5
Water	7732-18-5	40-60

**SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

This product is a white, paste with a slight characteristic odor. May cause severe eye and skin irritation. May be harmful if absorbed through the skin. Mists may cause severe respiratory irritation, difficulty in breathing, sore throat, central nervous system effects and low blood pressure. Harmful or fatal if swallowed.

**HEALTH HAZARDS:**

**INHALATION:** Mists may cause severe irritation to the eyes, mucous membranes and upper respiratory tract and low blood pressure, fatigue, nausea and vomiting. Severe cases may cause respiratory and muscular paralysis, convulsions, narcosis and death.

**SKIN CONTACT:** May cause severe irritation with redness and pain. Widespread or prolonged contact may cause absorption with symptoms similar to ingestion. Area of contact may become numb due to anesthetic effects.

**EYE CONTACT:** May cause severe irritation with possible corneal damage.

**INGESTION:** May cause severe gastrointestinal irritation, abdominal pain, headache, central nervous system depression, nausea, vomiting, diarrhea, low blood pressure and fatigue. Severe cases may cause respiratory and muscular paralysis, convulsions, narcosis and death. Possible aspiration hazard. May cause mild to severe lung injury if aspirated into the lung during vomiting or swallowing.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Repeated skin contact may cause dermatitis.

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

See Section 11 for additional information.

**SECTION 4 EMERGENCY and FIRST AID PROCEDURES**

**EYE CONTACT:** Immediately flush eye with water for at least 15 minutes while lifting the upper and lower lids. Get immediate medical attention.

**SKIN CONTACT:** Wash thoroughly with soap and water until no traces of the chemical remain. Remove contaminated clothing immediately and launder before reuse. Get medical attention if irritation persists.

**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 2 glasses of water 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:** Not Applicable

**FLAMMABLE LIMITS: (vol % in air)**

**LEL -** Not available

**UEL -** Not available

**AUTOIGNITION TEMPERATURE:** Not available

**EXTINGUISHING MEDIA:** Water spray or fog, foam, carbon dioxide, dry chemical.

**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. At elevated temperatures, vapors may form explosive mixtures with air in confined areas. Decomposition products may be hazardous.

## 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. Scoop up or collect with an inert absorbent and place into closable containers for disposal. Wash 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 oxidizers and other incompatible materials.

Avoid eye and skin contact. Avoid breathing vapors. 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

### Occupational Exposure Limits

Ingredient	Exposure Limits
Proprietary Ingredient	10 ppm TWA AIHA WEEL
Titanium Dioxide	10 mg/m <sup>3</sup> TWA (ACGIH) (total dust) 15 mg/m <sup>3</sup> TWA (OSHA) (total dust)
Formic Acid	5 ppm TWA (ACGIH), 10 ppm STEL 5 ppm TWA (OSHA)
Non-Hazardous ingredients	None Established

**RESPIRATORY PROTECTION:** None needed under normal use conditions. If mist is generated and for large jobs where the recommended exposure limit may be exceeded use a NIOSH approved respirator with organic vapor cartridges and a dust/mist pre-filter. For higher concentrations (greater than 10 times the recommended exposure limit) 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 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:** Butyl rubber 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):** Not available

**SPECIFIC GRAVITY:** 1.2

**VAPOR PRESSURE (@ 30 C mm Hg):** No determined

**EVAPORATION RATE (Butyl alcohol = 1):** Not determined

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

**VOC Content:** 5% (60g/L)

**APPEARANCE AND ODOR:** White, viscous paste with a slight characteristic odor. The odor threshold for formic acid is 28.2 ppm.

**MELTING POINT:** Not available

**VOLATILE:** <60%

**VAPOR DENSITY (AIR=1):** Not determined

**SOLUBILITY IN WATER:** Partial

**pH:** 2.5

### SECTION 10 STABILITY and REACTIVITY

**STABILITY:** This material is stable.

**CONDITIONS TO AVOID:** Not applicable.

**INCOMPATIBILITY:** Strong acids, bases, strong oxidizers and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield carbon monoxide, carbon dioxide and oxides of nitrogen. May oxidize with air to form benzaldehyde and benzoic acid.

**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>
Proprietary Ingredient	1,230-3,100 mg/kg oral rat 2,000 mg/kg skin rabbit	1,000 ppm/8 hr inhalation rat
Titanium Dioxide	No data available	No data available
Formic Acid	1100 mg/kg oral rat	15 gm/m <sup>3</sup> /15 minutes inhalation rat

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

None of the components have been found to be mutagenic.

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

None of the components are known to cause reproductive or developmental toxicity in animals or humans.

**SECTION 12: ECOLOGICAL INFORMATION**

Proprietary Ingredient: 96 hr LC50 fathead minnow: 460 ppm, 48 hr LC50 daphnia: 360 ppm. Readily biodegradable. Bioaccumulation not expected.  
Formic Acid: EC50 48 hr Daphnia magna: 151.2 mg/L, static; 48 hr LC50 Golden orfe: 122 mg/L, static

**SECTION 13: DISPOSAL INFORMATION**

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

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT SHIPPING NAME:** Not Regulated  
**DOT HAZARD CLASSIFICATION:** None  
**DOT LABELS REQUIRED (49CFR172.101):** None  
**UN NUMBER:** None

**SECTION 15: REGULATORY INFORMATION**

**OSHA HAZARD CLASSIFICATION:** Irritant

**EPA SARA 311 HAZARD CLASSIFICATION:** Acute health.

**EPA SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313:  
None

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

**CALIFORNIA PROPOSITION 65:** This product does not contain chemicals regulated under California Proposition 65.

**WHMIS CLASSIFICATION:** Class D - Division 2B (Toxic material causing other toxic effects)  
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: 2 Fire: 1 Reactivity: 0