

**MATERIAL SAFETY DATA SHEET  
PEEL AWAY 7**

**SECTION 1 IDENTIFICATION**

**Product Name: PEEL AWAY 7**

**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.%
Dibasic ester	1119-40-0, 627-93-0	10-20
Benzyl Alcohol	100-51-6	20-40
n-Methyl-2-pyrrolidone (NMP)	872-50-4	10-20
Hydrous Aluminum Silicate (kaolin)	1332-58-7	20-40
Nonylphenol ethoxylate	127087-87-0	<2
Non-hazardous ingredients	Proprietary	1-5

Dibasic ester is a mixture composed mainly of dimethyl glutarate (CAS# 1119-40-0) and dimethyl adipate (CAS# 627-93-0). The exposure limit listed is recommended by the manufacturer.

**SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

This product is a light brown paste with a slight, sweet odor. Vapors form explosive mixtures with air. Direct eye contact may cause corneal opacity and edema. Vapors or mists may cause blurred vision and irritation to the eyes, mucous membranes and respiratory tract, central nervous system effects and low blood pressure. Skin contact may cause irritation or burns. Repeated contact may cause dermatitis, numbing of the skin due to anesthetic effects, and allergic reaction in sensitive individuals. Ingestion may cause gastrointestinal irritation, vomiting, diarrhea, headache, and abdominal pain. Possible aspiration hazard. Contains n-Methyl-2-Pyrrolidone which may cause adverse effects on the developing fetus based on animal data.

**HEALTH HAZARDS:**

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

**SKIN CONTACT:** May cause irritation. Prolonged skin contact may cause burns. Widespread or prolonged contact may cause absorption of n-methyl -2-pyrrolidone with symptoms similar to ingestion. Area of contact may become numb due to anesthetic effects. Repeated skin contact may cause allergic reaction in sensitive individuals.

**EYE CONTACT:** Vapors may cause irritation and blurred vision. Direct contact may cause corneal opacity and edema (swelling).

**INGESTION:** May cause 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 is aspirated into the lung during vomiting or swallowing.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Repeated skin contact may cause dermatitis and possible allergic reaction.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with chronic respiratory or 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 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 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:** >200°F / >93.3°C

**METHOD:** COC

**FLAMMABLE LIMITS: (vol % in air)** LEL: 0.99 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. Vapors form explosive mixtures with air. 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. Remove all sources of ignition. Dike spill and collect into closable containers for disposal with inert absorbent. 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
Dibasic ester	10 mg/m <sup>3</sup> TWA (manufacturer recommended)
Proprietary Ingredient	10 ppm TWA AIHA WEEL
n-Methyl-2-pyrrolidone (NMP)	10 ppm TWA skin AIHA WEEL
Hydrous Aluminum Silicate	2 mg/m <sup>3</sup> TWA (ACGIH) (respirable dust)
	15 mg/m <sup>3</sup> TWA (OSHA) (total dust)
	5 mg/m <sup>3</sup> TWA (OSHA) (respirable dust)
Nonylphenol ethoxylate	None Established
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:** 12.0 lbs/gal

**VOLATILE:** 49%

**EVAPORATION RATE (Butyl alcohol = 1):** <1

**pH:** 3.2

**VOC Content:** 34.8%

**APPEARANCE AND ODOR:** Light brown paste with a slight, sweet odor. There is no odor threshold data available for any of the components.

**MELTING POINT:** Not available

**VAPOR PRESSURE (@ 20 C mm Hg):** <0.3 (NMP)

**VAPOR DENSITY (AIR=1):** 3-4

**SOLUBILITY IN WATER:** Partial

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

## 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.

**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>
Dibasic ester	8191 mg/kg oral rat	>11 mg/l/4 hr rats
Proprietary Ingredient	1,230-3,100 mg/kg oral rat 2,000 mg/kg skin rabbit	1,000 ppm/8 hr inhalation rat
n-Methyl-2 pyrrolidone	3914 mg/kg oral rat 8000 mg/kg skin rabbit	No data available
Aluminum Silicate	No data available	No data available
Nonylphenol Ethoxylate	>2,000 mg/kg oral rat >2000 mg/kg skin rabbit	No data available

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.

The proprietary ingredient is a weak sensitizer in laboratory animals.

n-Methyl-2-pyrrolidone has been found to cause toxicity in the fetus of laboratory animals exposed during pregnancy.

#### SECTION 12: ECOLOGICAL INFORMATION

Proprietary Ingredient: 96 hr LC50 fathead minnow: 460 ppm, 48 hr LC50 daphnia: 360 ppm. Readily biodegradable. Bioaccumulation not expected.

n-Methyl-2-Pyrrolidone: 96 hr LC50 rainbow trout: 3048 mg/L, 96 hr LC50 bluegill 832 mg/L, 24 hr EC50 daphnia >1000 mg/L. Readily biodegradable. Bioaccumulation not expected.

DiBasic Ester: 96 hr LC50 fathead minnow: 18-24 mg/L, 48 hr LC50 daphnia magna 112-150 mg/L. Readily biodegradable.

Nonylphenol Ethoxylate: 96 hr LC50 fish: >1-10 mg/l.

#### 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:

n-Methyl-2-pyrrolidone	10-20%
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**TOXIC SUBSTANCES CONTROL ACT:** All of the components of this product are listed on the TSCA inventory.

**CALIFORNIA PROPOSITION 65:** This product contains n-Methyl-2-pyrrolidone which is known to the State of California to cause developmental toxicity (birth defects).

**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

Revision Summary: Section 2: Updated health effects