



SAFETY DATA SHEET

Issue Date 23-Jun-2011

Revision Date 3-Mar-2018

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Marine Safety Strip

Other Means of Identification

SDS # DCI-011

Synonyms Peel Away 7

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Paint Stripper/Stripper.

Details of the Supplier of the Safety Data Sheet

Supplier Address

Dumond Chemicals, Inc.
1475 Phoenixville Rd. Suite 18
West Chester, Pa 19380

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

Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3

Signal Word

Danger

Hazard Statements

Harmful if inhaled
 Causes skin irritation
 Causes severe eye irritation
 May damage fertility or the unborn child
 May cause respiratory irritation. May cause drowsiness or dizziness

**Appearance** Light brown paste**Physical State** Paste**Odor** Slight Sweet**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Wear eye/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed
 May be harmful in contact with skin

Other Hazards

Toxic to aquatic life with long lasting effects
 Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Peel Away 7.

Chemical Name	CAS No	Weight-%
Kaolin	1332-58-7	20-40
Benzyl alcohol	100-51-6	20-40
1-Methyl-2-pyrrolidone	872-50-4	10-20
Dimethyl Glutarate	1119-40-0	7.5
Dimethyl Adipate	627-93-0	7.5
alpha-(4-nonylphenyl)-omega-hydroxy-poly(oxy-1,2-ethanediyl) branched	127087-87-0	<2

Chemical Additions	Contains 10-20% dibasic ester, which is a mixture of dimethyl glutarate (CAS# 1119-40-0) and dimethyl adipate (CAS# 627-93-0)
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4. FIRST AID MEASURES

First Aid Measures

General advice	If exposed or concerned: Get medical advice/attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
Skin Contact	Wash off immediately with soap and plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/ attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	May include redness, drying and cracking of skin. May cause allergic skin reaction. Area of contact may become numb due to anesthetic effects. Exposed individuals may experience eye tearing, redness and discomfort. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Possible aspiration hazard.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically. Individuals with chronic respiratory or skin diseases may be at risk from exposure.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

At elevated temperatures, containers may rupture. Cool containers exposed to flames with water until well after the fire is out. Vapors may form explosive mixtures with air.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NO_x).

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 Avoid contact with eyes and skin. Use personal protective equipment as required. Remove all sources of ignition.

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 Dike the spilled material, where this is possible. Collect using an inert absorbent material and place in appropriate containers for disposal.

Methods for Cleaning Up Wash spill area with plenty of water. Keep in suitable, closed containers for disposal. 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 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas. Protect container from physical damage. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store away from incompatible materials.

Incompatible Materials Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Kaolin 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. Showers. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear approved safety goggles. Face Mask. Do not wear contact lenses.

Skin and Body Protection Rubber, butyl rubber, or other impervious gloves are recommended if needed to avoid skin contact. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection

If occupational exposure limits are exceeded, use NIOSH approved respirator with organic vapor cartridges and 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.

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	Slight Sweet
Appearance	Light brown paste	Odor threshold	Not determined
Color	Not determined		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	6		
Melting point/freezing point	Not available		
Boiling point/boiling range	Not available		
Flash point	> 93.3 °C / > 200 °F		
Evaporation rate	<1		Cleveland Open Cup (butyl alcohol = 1)
Flammability (solid, gas)	Not determined		
Flammability limits in air			
Upper flammability limits	Not available		
Lower flammability limit	0.99		
Vapor pressure	<0.3 mmHg		@ 20 C
Vapor density	3-4		(Air=1)
Specific gravity	12.0 lbs/gal		
Water solubility	partially soluble		
Solubility in other solvents	Not determined		
Partition coefficient	Not available		
Autoignition temperature	Not available		
Decomposition temperature	Not determined		
Kinematic viscosity	Not determined		
Dynamic viscosity	Not determined		
Explosive properties	Not determined		
Oxidizing Properties	Not determined		

Other Information

VOC Content (%)	15.64%
VOC Content	1.88 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

Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Product Information**

Inhalation	Harmful if inhaled.
Eye Contact	Causes severe eye irritation.
Skin Contact	Causes skin irritation. May be harmful in contact with skin.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
1-Methyl-2-pyrrolidone 872-50-4	= 3598 mg/kg (Rat)	= 2500 mg/kg (Rat) > 5000 mg/kg (Rabbit)	= 3.1 mg/L (Rat) 4 h
Dimethyl Adipate 627-93-0	= 1920 mg/kg (Rat)	-	-
Dimethyl Glutarate 1119-40-0	= 8191 mg/kg (Rat)	-	> 5.6 mg/L (Rat) 4 h

Information on Physical, Chemical and Toxicological Effects

Symptoms	May include redness, drying and cracking of skin. May cause allergic skin reaction. Area of contact may become numb due to anesthetic effects. Exposed individuals may experience eye tearing, redness, and discomfort. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Possible aspiration hazard.
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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.
Reproductive toxicity	May damage fertility or the unborn child.
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)	2037 mg/kg
ATEmix (dermal)	2356 mg/kg
ATEmix (inhalation-gas)	824 mg/l
ATEmix (inhalation-vapor)	11.6 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzyl alcohol 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	23: 48 h water flea mg/L EC50
1-Methyl-2-pyrrolidone 872-50-4	500: 72 h Desmodesmus subspicatus mg/L EC50	832: 96 h Lepomis macrochirus mg/L LC50 static 4000: 96 h Leuciscus idus mg/L LC50 static 1072: 96 h Pimephales promelas mg/L LC50 static 1400: 96 h Poecilia reticulata mg/L LC50 static		4897: 48 h Daphnia magna mg/L EC50
Dimethyl Glutarate 1119-40-0		19.6 - 26.2: 96 h Pimephales promelas mg/L LC50 static		122.1 - 163.5: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

READILY BIODEGRADABLE.

Bioaccumulation

The product has low potential for bioaccumulation.

Mobility

Not determined.

Chemical Name	Partition coefficient
Benzyl alcohol 100-51-6	1.1
1-Methyl-2-pyrrolidone 872-50-4	-0.46

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.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT

Not regulated

IATA Not regulatedIMDG Not regulated**15. REGULATORY INFORMATION**International Inventories

TSCA Listed

DSL Listed

Legend:*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - 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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
1-Methyl-2-pyrrolidone - 872-50-4	872-50-4	10-20	1.0

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

US State Regulations

Chemical Name	California Proposition 65
1-Methyl-2-pyrrolidone - 872-50-4	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol 100-51-6		X	X
Kaolin 1332-58-7	X	X	X
1-Methyl-2-pyrrolidone 872-50-4	X	X	X

U.S. EPA Label Information

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 2	Flammability 1	Instability 0	Special Hazards Not determined
<u>HMIS</u>	Health Hazards Not determined	Flammability Not determined	Physical Hazards Not determined	Personal Protection Not determined

Issue Date	23-Jun-2011
Revision Date	3-Mar-2018
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