

Material Safety Data Sheet

Date last reviewed: January 1, 2008

I. General Information

Chemical Name & Synonyms Proprietary Mixture	Trade Name & Synonyms Marine Safety Strip
Chemical Family Organic Solvent Mixture	Formula Mixture
Proper DOT Shipping Name Not Regulated	DOT Hazard Classification Not Regulated
Manufacturer Dumond Chemicals, Inc.	Manufacturer's Phone Number (212) 869-6350
Manufacturer's Address 1501 Broadway, New York, NY 10036	Emergency Number: (800) 457-4280

II. Ingredients

Principal Hazardous Components	CAS #	%	PEL	TLV	Other
Dibasic Ester	1119-40-0 627-93-0	10-25	None Established	None Established	10 mg/m ³ (manufacturer)
*n-Methyl-2-Pyrrolidone	872-50-4	20-50	None Established	None Established	10 ppm TWA skin AIHA WEEL
Aluminum Silicate	1332-58-7	20-40	15 mg/m ³ (total dust)	10 mg/m ³	
Nonylphenol Ethoxylate	68412-54-4	<1	None Established	None Established	
Non-hazardous Ingredients	N/A	10-30	None Established	None Established	

*SARA 313: n-Methyl-2-Pyrrolidone is a regulated chemical under SARA Title III, Section 313.

III. Physical Data

Boiling Point (°F) Not available	Specific Gravity (H ₂ O =1) Greater than 1
Vapor Pressure (mm Hg @ 20°C) 0.29	Percent Volatile by Volume (%) 85%
Vapor Density (Air=1) 3.4 (n-methyl-2-pyrrolidone)	Evaporation Rate (Butyl Acetate =1) Less than 1
Solubility in Water Partial	pH 3.2
Appearance & Odor Light brown paste with a slight, sweet odor.	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) 266 °F (Setaflash)	Autoignition Temperature Not available		
Flammable Limits	LEL 0.99%	UEL 7.9%	
Extinguishing Media Water spray or fog, foam, carbon dioxide or dry chemical.			
Special Fire Fighting Procedures Wear full emergency equipment and NIOSH approved positive pressure SCBA. Cool fire exposed containers with water.			
Unusual Fire & Explosion Hazards At elevated temperatures containers may rupture. Vapors form explosive mixtures with air. Decomposition products may be hazardous.			
HMIS Ratings	Health: 2	Flammability: 1	Reactivity: 0

V. Health Hazard Data

OSHA Permissible Exposure Limit See Section II	ACGIH Threshold Limit Value See Section II
Carcinogen - NTP Program No	Carcinogen - IARC No
Symptoms of Exposure Acute Effects: Eyes: Vapors may cause irritation, blurred vision, cornea opacity or edema. Skin: May cause irritation. Inhalation: Mists and vapors may cause blurred vision and irritation of the eyes, mucous membranes and upper respiratory tract. Ingestion: May cause gastrointestinal irritation, vomiting, diarrhea, headache and abdominal pain. Chronic Effects: Prolonged skin contact may cause dermatitis. Widespread/prolonged contact may cause absorption with symptoms similar to ingestion.	
Medical Conditions Aggravated By Exposure: Individuals with chronic respiratory or skin diseases may be at risk from exposure.	
Primary Route(s) of Entry Eye, skin, inhalation, ingestion	
Emergency First Aid Eye: Immediately flush eyes with water for 15 minutes. Get immediate medical attention. Skin: Wash thoroughly w/soap & water. Remove contaminated clothing. Get medical attention for irritation. Inhalation: Remove to fresh air. Get immediate medical attention. Ingestion: If conscious, give 2 glasses of water. Do not induce vomiting. Get immediate medical attention.	

IV. Reactivity Data

Stability	X	Unstable Stable	Conditions to Avoid N/A
Incompatibility Strong acids, bases, oxidizers or reducing agents.			
Hazardous Polymerization	X	May Occur Will Not Occur	Conditions to Avoid N/A
Hazardous Decomposition Carbon dioxide, carbon monoxide and oxides of nitrogen.			

VII. Environmental Protection Procedures

Spill Response Wear appropriate protective clothing. Remove ignition sources. Collect with an inert absorbent. Wash spill area with water. Prevent runoff from entering sewers or waterways. Report spills as required.
Waste Disposal Method Dispose of in accordance with all state, local and federal regulations.

VIII. Special Protection Information

Eye Protection Chemical safety goggles/faceshield	Skin Protection Butyl rubber gloves required.
Respiratory Protection (Specific Type) For spray application, a NIOSH approved organic vapor respirator may be used.	Ventilation Recommended Good general ventilation is usually adequate. If exposure limits are exceeded, local exhaust may be required.
Other Protection Impervious apron, boots, safety shower, eye wash as needed.	

IX. Special Precautions

Hygienic Practices in Handling & Storage Store in a cool, well ventilated area away from oxidizers and other incompatible substances.
Work Practices Avoid eye and skin contact. Avoid breathing vapors. Wash thoroughly after handling.
Other Precautions Use only with appropriate protective equipment. Empty containers retain residue and may be hazardous.