

Material Safety Data Sheet

Date last reviewed: January 1, 2008

I. General Information

Chemical Name & Synonyms Proprietary Mixture	Trade Name & Synonyms Efflorescence Remover
Chemical Family Acidic Mixture	Formula Mixture
Proper DOT Shipping Name Not Regulated	DOT Hazard Classification None
Manufactured for: Dumond Chemicals, Inc.	Information Phone Number (212) 869-6350
Address 1501 Broadway, New York, NY 10036	Emergency Number: (800) 535-5053 (Info Trac)

II. Ingredients

Principal Hazardous Components	CAS #	Percent	OSHA PEL	ACGIH TLV
Proprietary Organic Acid Salt	Mixture	30-40	None Established	None Established
Proprietary Surfactant	Mixture	1-2	None Established	None Established

*SARA 313: This product contains no chemicals that are regulated under SARA Title III, Section 313.

III. Physical Data

Boiling Point (°F) 212°F	Specific Gravity (H ₂ O =1) 1.09-1.10
Vapor Pressure (mm Hg) Not available	Percent Volatile by Volume (%) Not determined
Vapor Density (Air=1) Not available	Evaporation Rate (Butyl Acetate =1) Not available
Solubility in Water Soluble	pH 1.0
Appearance & Odor Clear amber liquid with a mild odor.	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) None	Autoignition Temperature None		
Flammable Limits None	LEL N/A	UEL N/A	
Extinguishing Media Use dry chemical, water spray or carbon dioxide.			
Special Fire Fighting Procedures Wear full emergency equipment and NIOSH approved positive pressure SCBA. Cool containers with water.			
Unusual Fire & Explosion Hazards At temperatures above 140°F, contact with most metals may produce hydrogen gas that is flammable and/or explosive. Heating above 230°F may result in an exothermic decomposition with rapid release of carbon dioxide gas.			
HMIS Ratings	Health: 2*	Flammability: 0	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: Mists may cause severe irritation or burns with redness, pain, tearing, swelling with possible eye damage. Skin: May cause irritation with redness and drying of the skin. Inhalation: Mist and vapors may cause mucous membrane and upper respiratory tract irritation with coughing, sore throat and difficulty in breathing. Ingestion: Swallowing may cause severe gastrointestinal irritation or burns with nausea, vomiting and diarrhea. May be fatal. Chronic Effects: Prolonged skin contact may cause drying, defatting and dermatitis.	
Medical Conditions Aggravated By Exposure: Individuals with chronic eye and skin disorders.	
Primary Route(s) of Entry: Eye, skin, inhalation, ingestion	
Emergency First Aid Eye: Immediately flush eye with water for at least 15 minutes. Get immediate medical attention. Skin: Immediately wash with soap and water until no trace of the chemical remains. Remove contaminated clothing and launder before reuse. If irritation develops or persists, get medical attention. Inhalation: Remove victim to fresh air. Restore breathing. Get medical attention. Ingestion: Get immediate medical attention. If conscious, rinse mouth with water and give 1-2 glasses of water to dilute. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing.	

IV. Reactivity Data

Stability	X	Unstable Stable	Conditions to Avoid Heating above 230°F may result in an exothermic decomposition with a release of carbon dioxide gas. Contact with metals such as aluminum may release flammable hydrogen gas.
Incompatibility Avoid oxidizing agents, alkaline materials, chlorate, nitrates and hypochlorites.			
Hazardous Polymerization	X	May Occur Will Not Occur	Conditions to Avoid N/A
Hazardous Decomposition Thermal decomposition may yield oxides of carbon, nitrogen and phosphorous, chlorine, hydrogen iodide, phosphine gas, hydrogen chloride and methyl chloride. Reactions with metals may produce hydrogen gas.			

VII. Environmental Protection Procedures

Spill Response Wear appropriate protective clothing to prevent eye and skin contact. Evacuate and ventilate area. Collect spilled material with inert material and place into a closable container 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.
Waste Disposal Method Dispose in accordance with all state, local and federal regulations.

VIII. Special Protection Information

Eye Protection Chemical safety goggles and/or faceshield.	Skin Protection Rubber, nitrile or other impervious gloves.
Respiratory Protection (Specific Type) For spray applications or large jobs, an approved full facepiece particulate respirator with eye protection.	Ventilation Recommended If exposure is excessive, local exhaust may be required.
Other Protection Impervious apron, boots, safety shower and eye wash as needed.	

IX. Special Precautions

Hygienic Practices in Handling & Storage Store in a tightly closed container. Store in a cool, well ventilated area away from incompatible materials. Do not store in metal containers. Do not store at temperatures above 120°F.
Work Practices Avoid eye and skin contact. Do not breathe mists. Use only with adequate ventilation. Wash thoroughly after handling.
Other Precautions Use only with appropriate protective equipment. Empty containers contain residues and may be hazardous. Keep out reach of children.