

MATERIAL SAFETY DATA SHEET
Efflorescence Remover

SECTION 1 IDENTIFICATION

Product Name: Safe n Easy Efflorescence Remover

Manufactured for:
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: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! CORROSIVE!

This product is a clear, amber liquid with a mild odor. This product is not flammable or combustible. Contact with the eyes will cause burns with possible eye damage. Skin contact may cause mild irritation. Prolonged skin contact may cause drying, defatting or dermatitis. Harmful or fatal if swallowed.

SECTION 3 PRODUCT COMPONENTS

INGREDIENTS

Proprietary Organic Acid Salt
Proprietary Surfactant

CAS#.
Mixture
Mixture

WT.%
30-40
1-2

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: Immediately wash with soap and water until no trace of the chemical remains. Remove contaminated clothing and launder before reuse. If irritation develops and persists, get medical attention.

INHALATION: Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. 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.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Use dry chemical, water spray or carbon dioxide.

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.

UNUSUAL FIRE AND 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.

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. 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.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, well ventilated area away from incompatible materials. Store in fiberglass, polyethylene or polypropylene containers. Do not store in metal containers. Do not store at temperatures above 120°F.

Prevent eye contact. Avoid prolonged skin contact. Do not breathe spray mists. Use with adequate ventilation. 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. Keep out reach of children.

OTHER PRECAUTIONS: Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

Exposure Limits

INGREDIENTS

EXPOSURE LIMITS

Proprietary Organic Acid Salt

None Established

Proprietary Surfactant

None Established

RESPIRATORY PROTECTION: None needed under normal use conditions with adequate ventilation. For spray application, use a NIOSH approved organic vapor/dust/mist respirator with appropriate eye protection. A full facepiece respirator provides both eye and respiratory protection. For higher concentrations 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: For operations where exposures may be excessive, mechanical ventilation such as local exhaust may be needed.

GLOVES: Rubber, nitrile or other impervious gloves are recommended to prevent skin contact.

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

APPEARANCE AND ODOR: Clear, amber liquid with a mild odor.

BOILING POINT (@ 760 mmHg): 212°F (100°C)

FREEZING POINT: Not determined

SPECIFIC GRAVITY (H₂O=1): 1.09-1.10(estimated)

VAPOR PRESSURE: Not available

VOLATILE: Not determined

VAPOR DENSITY (AIR=1): Not available

EVAPORATION RATE: Not available

SOLUBILITY IN WATER: Soluble

pH: 1.0

COEFFICIENT OF WATER/OIL: Not available

VOC Content: 0 g/L

AUTOIGNITION TEMPERATURE: Not applicable

FLASH POINT: Non-flammable

FLAMMABLE LIMITS: (vol % in air)

LEL – N/A

UEL – N/A

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

CONDITIONS TO AVOID: Heating above 230°F may result in an exothermic decomposition with rapid release of carbon dioxide gas. Contact with metals such as aluminum and their alloys may release flammable hydrogen gas.

INCOMPATIBILITY: Avoid oxidizing agents, alkaline materials, chlorate, nitrates and hypochlorites.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield toxic carbon dioxide, carbon monoxide, nitrogen oxides, chlorine, hydrogen iodide, oxides of phosphorous, phosphine gas, hydrogen chloride and methyl chloride. Reactions with metals may produce hydrogen gas.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

INHALATION: Mist and vapors may cause mucous membrane and upper respiratory tract irritation with coughing, sore throat and difficulty in breathing.

SKIN CONTACT: May cause irritation with redness and drying of the skin.

EYE CONTACT: Mists may cause severe irritation or burns with redness, pain, tearing, swelling with possible eye damage.

INGESTION: Swallowing may cause severe gastrointestinal irritation or burns with nausea, vomiting and diarrhea. May be fatal.

CHRONIC EFFECTS OF OVEREXPOSURE: Prolonged skin contact may cause drying, defatting and dermatitis.

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

TOXICOLOGY DATA: No toxicity data available.

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

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

None of the components are known to cause adverse reproductive effects or teratogenic effects in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

There is no ecotoxicity data available for this product at this time.

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: Not applicable

DOT LABELS REQUIRED (49CFR172.101): None

UN NUMBER: None

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Corrosive

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 HAZARD CLASSIFICATION: Acute health

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

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Refer to CERCLA regulations to determine if the used product may be reportable. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

WHMIS CLASSIFICATION: Class E (Corrosive)

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.

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

CALIFORNIA PROPOSITION 65: This product is not known to contain any chemicals which are known to the State of California to cause cancer or reproductive harm. .

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 3 Fire: 0 Reactivity: 0

6/23/11: Reversed Section 2 & 3, Section 2: Moved Health Hazards to Section 11, Section 3 Exposure Limits to Section 8, Section 5 Moved flashpoint, flammable limits and autoignition to Section 9