



SAFETY DATA SHEET

(Revision: 6/18/2015)

1. Identification

- Product Type: Alginate Remover
- Trade Names: Green Envy Tray Cleaner

- Company: **Whip Mix Corporation**
361 Farmington Ave.
Louisville, Kentucky, USA 40209
Emergency Telephone Number: (502)-637-1451
Fax Number: (502) 634-4512

Transportation CHEMTREC 1(800) 424-9300 (U.S. and Canada)

Emergencies: International Calls: 1- 703-527-3887 (Collect calls accepted)

www.whipmix.com

2. Hazard Identification.

OSHA Hazcom 2014 Classification:

Health Hazards	Physical Hazards
Not Hazardous	Combustible Dust

Labeling:

Warning!

Hazard Statements:

May form combustible dust concentrations in air.

3. Composition/Information on Ingredients.

<u>Substance</u>	<u>CAS No.</u>	<u>%</u>
Organic Acid Salt	Proprietary	90-100
Non-hazardous Dye Blend	Mixture	0.1-1%

The specific identity and/or concentration of composition has been withheld as a trade secret.

4. First-Aid Measures.

Inhalation: Remove exposed person to fresh air. If irritation or other symptoms persist, get medical attention.

Eyes: Flush with large quantities of water, holding the eyelids apart. If irritation persists consult a physician.

Skin: No first aid is generally required. Wash skin with soap and water.

Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: Dust may cause mechanical eye and skin irritation. Inhalation of dust may cause mucous membrane and upper respiratory tract irritation. Ingestion may cause gastric upset and nausea.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Immediate medical attention is not required.

5. Fire-Fighting Measures.

Suitable (and unsuitable) Extinguishing Media: Use media appropriate for surrounding fire.

Specific Hazards Arising From the Chemical: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Combustion may produce carbon oxides.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

6. Accidental Release Measures.

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing as described in Section 8.

Environmental Hazards: Report releases as required by local and national authorities.

Methods and Materials for Containment and Cleaning up: Minimize dust generation and accumulation. Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use non-sparking tools and equipment. Do not use compressed air to clean surfaces.

7. Handling and Storage.

Precautions for Safe Handling: Avoid contact with eyes. Avoid breathing dust. Wear protective clothing and equipment as described in Section 8. Wash with soap and water after handling. Keep containers closed when not in use. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits.

Conditions for Safe Storage, including Any Incompatibilities: Store as directed on package insert.

8. Exposure Controls/Personal Protection.

Occupational Exposure Limits:

Organic Acid Salt	5 mg/m ³ TWA (respirable fraction), 15 mg/m ³ TWA (total dust) OSHA PEL (particles not otherwise classified)
Non-hazardous Dye Blend	None established

Appropriate engineering controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system.

Respiratory protection: None required under normal conditions of use. If the exposure limits are exceeded a NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

Skin protection: For prolonged use or in dusty conditions, wear rubber gloves.

Eye protection: Chemical safety goggles if needed to avoid eye contact.

Other: Protective clothing as required to avoid prolonged skin contact.

9. Physical and Chemical Properties.

Appearance: Solid green powder

Odor: Citrus odor.

Odor threshold: Not applicable

Melting point/freezing point: Decomposes

Flash point: Not applicable

Flammability (solid, gas): Combustible dust

Flammable limits: LEL: Not applicable

Vapor pressure: Not applicable

Relative density: Not applicable

Partition coefficient: n-octanol/water: Not available

Decomposition temperature: Not available

pH: Not applicable

Boiling point: Not applicable

Evaporation rate: Not applicable

UEL: Not applicable

Vapor density (air = 1): Not applicable

Solubility In Water: Soluble

Auto-ignition temperature: Not applicable

Viscosity: Not applicable

10. Stability and Reactivity.

Reactivity: None known.

Chemical stability: Stable

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid dust formation

Incompatible materials: None known

Hazardous decomposition products: Combustion may produce carbon oxides.

11. Toxicological Information.

Eyes: Dust may cause mechanical irritation.

Skin: Dust may cause mild mechanical irritation.

Ingestion: Large amounts may cause gastrointestinal irritation and nausea.

Inhalation: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.

Chronic Health Effects: None known.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC or NTP.

Acute Toxicity Data:

Organic Acid Salt: oral rat LD50 5400 mg/kg, Dermal rat LD50 >2000 mg/kg

Non-hazardous Dye Blend: Oral rat LD50 >2000 mg/kg.

12. Ecological Data.

Ecotoxicity:

Organic Acid Salt: 96 hr EC50 *Leuciscus idus melanotus* 440 mg/L, 48 hr EC50 *daphnia magna* 10000 mg/L, 96 hr EC50 *Scenedesmus quadricauda* 640 mg/L

Non-hazardous Dye Blend: No data available

Persistence and degradability: Organic acid salt is inherently biodegradable.

Bioaccumulative potential: Organic acid salt has a BCF of 0.5. The potential for bioaccumulation is low.

Mobility in soil: No data available

Other adverse effects: Not required.

13. Disposal Considerations.

Dispose in accordance with all national and local regulations.

14. Transport Information.

US DOT: Not Regulated

Canada TDG: Not Regulated

IMDG: Not Regulated

IATA/ICAO: Not Regulated

Special precautions: Not applicable

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form

15. Regulatory Information.

Safety, health, and environmental regulations specific for the product in question

US Regulations

SARA Section 313 (40 CFR 372): This product contains the following toxic chemical(s) subject to reporting requirements of SARA 313: None

SARA Section 311/312 (40 CFR 370) Hazard Categories: Not hazardous

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA inventory

Canadian Environmental Protection Act: Not determined

California: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity: None

16. Other Information.

- HMIS Rating: Health 1 Flammability 2 Reactivity 0 Other 0

Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum

Refer to NFPA 654, *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and*

Handling of Combustible Particulate Solids, for safe handling.3

Prepared By: <i>Denise A. Deeds</i>	Translated By:
Date: 6/17/15	Date: