

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

077277346

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073332053



**MATERIAL SAFETY DATA SHEET**

(Revision: 3/9/2011)

<p><b>1. Identification of the Substance/Preparation and of the Company/Undertaking.</b></p> <ul style="list-style-type: none"><li>Product Type: Alginate Remover</li><li>Trade Name: Green Envy Tray Cleaner</li> <li>Company: <b>Whip Mix Corporation</b> <b>361 Farmington Ave.</b> <b>Louisville, Kentucky, USA 40217</b> <b>Emergency Telephone Number: (502)-637-1451</b> <b>Fax Number: (502) 634-4512</b></li></ul> <p><b>Transportation</b> CHEMTREC 1(800) 424-9300 (U.S. and Canada) <b>Emergencies:</b> International Calls: 1- 703-527-3887 (Collect calls accepted)</p>														
<p><b>2. Hazard Identification.</b></p> <ul style="list-style-type: none"><li>Skin Contact – Non irritating (EU)</li><li>Eye Contact – Slightly hazardous in case of eye contact (irritant)</li><li>This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.</li></ul>														
<p><b>3. Composition/Information on Ingredients.</b></p> <table border="1"><thead><tr><th>Substance</th><th>CAS</th><th>EINECS</th><th>Concentration, %</th><th>R</th><th>Symbol</th><th>S</th></tr></thead><tbody><tr><td>Proprietary</td><td>Proprietary</td><td>Proprietary</td><td>Proprietary</td><td></td><td></td><td></td></tr></tbody></table>	Substance	CAS	EINECS	Concentration, %	R	Symbol	S	Proprietary	Proprietary	Proprietary	Proprietary			
Substance	CAS	EINECS	Concentration, %	R	Symbol	S								
Proprietary	Proprietary	Proprietary	Proprietary											
<p><b>4. First-Aid Measures.</b></p> <ul style="list-style-type: none"><li>If ingested: if large quantities of this material is swallowed, call physician immediately</li><li>Eye contact: Check for and remove contact lenses. In case of contact, immediately flush eyes with water for 15 minutes. Cold water may be used. Seek medical attention if irritation occurs.</li><li>Skin Contact: wash affected area with soap and water.</li></ul>														
<p><b>4. Fire-Fighting Measures.</b></p> <ul style="list-style-type: none"><li>Extinguishing Media: use extinguishing media suitable for surrounding materials</li><li>Special fire-fighting procedures: None required</li><li>Protection of fire-fighters: No special measures are indicated</li></ul>														
<p><b>6. Accidental Release Measures.</b></p> <ul style="list-style-type: none"><li>Use a shovel to put material into a convenient waste disposal container.</li><li>Dispose of according to local environmental control regulations</li></ul>														
<p><b>7. Handling and Storage.</b></p> <ul style="list-style-type: none"><li>No special measures required. Use original container.</li></ul>														
<p><b>8. Exposure Controls/Personal Protection.</b></p> <table border="1"><thead><tr><th><u>Exposure Limits:</u></th><th><u>OSHA-PEL</u></th><th><u>ACGIH TLV, 2011</u></th></tr></thead><tbody><tr><td>Not applicable</td><td>Not applicable</td><td>Not applicable</td></tr></tbody></table>	<u>Exposure Limits:</u>	<u>OSHA-PEL</u>	<u>ACGIH TLV, 2011</u>	Not applicable	Not applicable	Not applicable								
<u>Exposure Limits:</u>	<u>OSHA-PEL</u>	<u>ACGIH TLV, 2011</u>												
Not applicable	Not applicable	Not applicable												
<p><b>9. Physical and Chemical Properties.</b></p> <ul style="list-style-type: none"><li>Appearance: Solid green powder</li><li>pH: 7.5 – 8.5</li><li>Solubility in Water: Slightly in cold water</li><li>Specific Gravity (water = 1): 2.7</li><li>Flash Point: Not applicable</li><li>Auto-ignition temperature: Non-flammable but will burn on prolonged exposure to flame or high heat</li></ul>														
<p><b>10. Stability and Reactivity:</b> Product is stable</p>														

<b>11. Toxicological Information.</b> <ul style="list-style-type: none"> <li>• Eye irritation: Slightly hazardous in case of eye contact (irritant)</li> </ul>	
<b>12. Ecological Data.</b> <ul style="list-style-type: none"> <li>• This product is environmental sound</li> <li>• Do not throw container into open fire</li> </ul>	
<b>13. Disposal Considerations.</b> <ul style="list-style-type: none"> <li>• Comply with all Federal, State and local Regulations.</li> </ul>	
<b>14. Transport Information.</b> <ul style="list-style-type: none"> <li>• International transport regulations: not regulated</li> </ul>	
<b>15. Regulatory Information.</b> <ul style="list-style-type: none"> <li>• This product is not classified according to the EU regulations. Alginate remover for dental tray cleaning use.</li> <li>• EC Statistical classification: 32089091</li> </ul>	
<b>16. International Regulations</b> <ul style="list-style-type: none"> <li>• Not applicable</li> </ul>	
Prepared By: Donna M Ringo, CIH	Translated By:
Date: 3/9/2011	Date:



**SAFETY DATA SHEET**  
**Regulation (EC) No 1907/2006 (REACH)**

(Revision: 6/17/2015)

**Section 1 Identification of the Substance/Preparation and of the Company/Undertaking.**

**1.1 Product Identifier**

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

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Product Use:** Removes alginate and gypsum from impression trays  
**Uses Advised Against:** For professional use only.

**1.3 Details of the Supplier of the Substance or Mixture**

<b>Manufacturer:</b>	<b>EU Importer</b>
<b>Whip Mix Corporation</b>	<b>Whip Mix Europe GmbH</b>
<b>361 Farmington Avenue</b>	<b>Wißstrasse 26 – 28</b>
<b>Louisville, Kentucky, USA 40209</b>	<b>D – 44137 Dortmund</b>
<b>Emergency Telephone Number: (502) 634-1451</b>	<b>Germany</b>
<b>Fax Number: (502) 637-4512</b>	<b>+49 (0) 231 / 567 70 8-0</b>

**1.4 Emergency Telephone Number**

**Transportation Emergencies:** *CHEMTREC 1(800) 424-9300 (U.S. and Canada)*  
*International Calls: 1- 703-527-3887 (Collect calls accepted)*  
**Other Product Information:** [www.whipmix.com](http://www.whipmix.com)

**Section 2 Hazard Identification**

**2.1 Classification of the Mixture:**

**CLP/GHS Classification (1272/2008):**

Health Hazards	Physical Hazards	Environmental Hazards
Not Hazardous	Not Hazardous	Not Hazardous

**EU Classification (67/548/EEC):** Not dangerous

**2.2 Label Elements**  
None required

**2.3 Other Hazards:** None

**Section 3 Composition/Information on Ingredients.**

<b><u>Substance</u></b>	<b><u>CAS No. / EC Number</u></b>	<b><u>%</u></b>	<b><u>CLP/GHS Classification (1272/2008)</u></b>
Organic Acid Salt	Proprietary	100%	Not hazardous
Non-hazardous Dye Blend	Mixture	0.1-1%	Not hazardous

See Section 16 for full text of GHS Classifications.

## Section 4 First-Aid Measures.

### 4.1 Description of 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.

**4.2 Most Important symptoms and effects, both 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.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is not required.

## Section 5 Fire-Fighting Measures.

**5.1 Extinguishing Media:** Use media appropriate for the surrounding fire.

**5.2 Special Hazards Arising from the Substance or Mixture:** Combustion may produce carbon oxides.

**5.3 Advice for Fire-Fighters:** Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

## Section 6 Accidental Release Measures.

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

**6.2 Environmental Precautions:** Report releases as required by local and national authorities.

**6.3 Methods and Material 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. Do not use compressed air to clean surfaces.

**6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

## Section 7 Handling and Storage.

**7.1 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.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store as directed on package insert.

### 7.3 Specific end use(s):

**Industrial uses:** None identified

**Professional uses:** Used to mark biting surfaces on teeth.

## Section 8 Exposure Controls/Personal Protection

### 8.1 Control Parameters:

Organic Acid Salt	10 mg/m <sup>3</sup> TWA (inhalable dust) Belgium OEL 10 mg/m <sup>3</sup> TWA (inhalable dust) France OEL 10 mg/m <sup>3</sup> TWA, 20 STEL (inhalable dust) German AGS 10 mg/m <sup>3</sup> TWA (inhalable dust) Ireland OEL 5 mg/m <sup>3</sup> TWA Sweden OEL (as organic dust)
Non-hazardous Dye Blend	None Established

### 8.2 Exposure Controls:

**Recommended Monitoring Procedures:** None.

**Appropriate engineering controls:** Use adequate general or local exhaust ventilation to minimize exposures levels.

### Personal Protective Measurers

**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.

## Section 9 Physical and Chemical Properties.

### 9.1 Information on basic 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

**Explosive Properties:** Not applicable

**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

**Oxidizing Properties:** Not applicable

**9.2 Other Information:** None available

## Section 10 Stability and Reactivity.

**10.1 Reactivity:** Not reactive.

**10.2 Chemical stability:** Stable.

**10.3 Possibility of hazardous reactions:** Not expected to be reactive.

**10.4 Conditions to avoid:** Avoid dust formation.

**10.5 Incompatible materials:** None known.

**10.6 Hazardous decomposition products:** Thermal decomposition may produce carbon oxides.

## Section 11 Toxicological Information.

### 11.1 Information on Toxicological Effects:

#### Potential Health Effects:

**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: oral rat LD50 5400 mg/kg, Dermal rat LD50 >2000 mg/kg

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

## Section 12. Ecological Data.

### 12.1 Ecotoxicity:

Organic Acid: 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

**12.2 Persistence and degradability:** Organic acid salt is inherently biodegradable.

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

**12.4 Mobility in soil:** No data available

**12.5 Results of PBT and vPvB assessment:** Not required.

**12.6 Other adverse effects:** Not required.

### Section 13. Disposal Considerations.

**13.1 Waste Treatment Methods:** Dispose in accordance with all national and local regulations.

### Section 14. Transport Information.

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
Canadian TDG		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

**14.6 Special precautions for User:** Not applicable

**14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

### Section 15 Regulatory Information.

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**Chemical Safety Assessment:** Not required.

### 16. Other Information.

CLP/GHS Classification and H Phrases for Reference (See Section 3)

None

Prepared By:

*Denise A. Deids*

Translated By:

Date: June 18, 2015

Date: