

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Trade name: Ecotone™  
General use: Filler material

**Manufacturer Name**

ACS International, Inc.  
4775 S. Third Avenue  
Tucson, AZ 85714

**Emergency Information**

Emergency Telephone: 1-800-669-9214  
Direct: 520-889-1933 M-Th 7am to 4 pm, F 7 to 11 am

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Abbr.	CAS No.	EIN No.	Weight %	ECC No.	Class	ACGIH TLV	OSHA PEL	Other Limits
Alumina try-hydrate	Al (OH) 3	21645-51-2		1–10%			N/A	10	10
Glass (glass, oxide)		65997-17-3		75–90%		N/A	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> total dust 5 mg/m <sup>3</sup> respirable dust	CAL
Walnut Shells*				17–60%*					

\* Walnut shells are found only in 'organic' colors: Amber Harvest and Nuts About You. All other colors in the Ecotone line do not contain walnut shells in any form.

**3. HAZARDS IDENTIFICATION**

**Most Important Hazards:** This product may irritate eyes and skin upon prolonged or repeated exposure. Inhalation of a high concentration of dust may produce irritation of the respiratory tract. Not considered to be toxic.

**Specific Hazards:** There is no known effect from chronic exposure to this product.

Potential health effects

**Primary routes of exposure:** Eye Contact—Yes; Inhalation—Yes; Skin—Yes; Ingestion—No; Skin Absorption—No

**Symptoms of acute overexposure:**

**Skin:** May cause dry skin with extended exposure. Sharp edges may be present on glass. Use gloves when handling.

**Eyes:** Irritant by mechanical means.

**Inhalation:** Inhalation of dust may produce respiratory tract irritation, characterized by burning, sneezing and coughing.

**Ingestion:** Not applicable under normal industrial situations.

**4. FIRST AID MEASURES**

**Skin:** Not a skin irritant although sharp edges on glass may be present. Handle with care.

**Eyes:** May cause eye irritation. If contact lenses are present, remove. Immediately flush eyes with running water for a minimum of 15 minutes. Seek medical attention if irritation persists.

**Inhalation:** Inhalation of dust may produce respiratory tract irritation, characterized by burning, sneezing and coughing. Remove individual to fresh air and allow to rest. Obtain medical assistant if breathing remains labored.

**Ingestion:** Not applicable under normal industrial situations. Give large quantities of water to induce vomiting. Seek medical attention.

**5. FIRE FIGHTING MEASURES**

**Extinguishing Media:** Water—Yes      Carbon Dioxide—Yes      Dry Chemical—Yes      Foam—Yes  
Alcohol Foam—No  
Use a self-contained breathing apparatus approved by NIOSH for all fires.

**Flash Point:** Non-combustible. No reported flammable limits.

**Explosive limits in air:** N/A

**Unusual Fire and Explosion Hazard:** Generally non-flammable.

**NFPA Classification:** Flammable: 0      Health: 1      Reactivity: 0      Specific Hazards: 0

**6. ACCIDENTAL RELEASE MEASURES**

This product does not meet the criteria of a hazardous waste as defined under 40 CFR 261, RCRA.

**Spill Control:** For small spills vacuum or scoop-up material for recovery or disposal in a sanitary landfill.  
Avoid dust producing conditions and use good ventilation. Water will cause caking of material.

**7. HANDLING AND STORAGE****Handling precautions:**

Avoid direct contact with eyes. Do not breathe dust in concentrations above established limits. Use gloves as sharp edges on glass may be present. After handling, always wash hands thoroughly with soap and water before eating, drinking, or smoking. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels low.

**Storage:**

Store in a dry, cool and well ventilated area. Avoid damaging storage containers. Water will cause material to become clumped and cake-like. Does not result in a hazard; only a handling deterrent.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Store/use in a well ventilated area.

Personal Protection Equipment

**Respiratory:** Wear an NIOSH approved filtering face piece dust mask where ventilation is not adequate with particulate filters in atmosphere to 10X the PEL.

**Eye:** Safety glasses with side shields are recommended.

**Skin:** Wear skin exposure is likely to occur, long sleeved clothing is recommended. Gloves are also recommended. May cause dry, irritated skin.

**Exposure Limits:** OSHA - 15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable dust

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Granular solid      **Color:** Multi-colored in white powder (ATH) **Odor:** Little to none

**Specific Gravity:** 2.46-2.49      **Boiling Point:** N/A      **Softening Point:** 724°C/1335.2°F

**Solubility:** Insoluble in water      (walnut shells 450°C)

**10. STABILITY AND REACTIVITY**

**Stability:** This product is stable.

**Incompatibility:** Avoid acids and other oxidizers. Avoid damage to containers.

**Decomposition:** In a sustained fire, calcium sulfate can produce calcium oxide.

**11. TOXICOLOGICAL INFORMATION**

Significant Routes of Exposure: Inhalation.

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity: Low toxicity for humans or animals under normal conditions of use. This product is water soluble.

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## 13. DISPOSAL CONSIDERATIONS

Waste disposal or recycling: Recover and place material in a suitable container for intended use or disposal.

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## 14. TRANSPORT INFORMATION

DOT/TDG Classification: Not controlled.

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## 15. REGULATORY INFORMATION

**Other Regulations:** Some or all of the reportable chemical substances in this product are regulated by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Aluminum Oxide is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372.

**R-phrases:** R36, Irritating to eyes. R42, May cause sensitization by inhalation.

**S-phrases:** S22, Do not breathe substance.

S25, Avoid contact with eyes.

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## 16. OTHER INFORMATION

National Fire Protection Association (USA): Hazards presented under acute emergency conditions only.

Store in a cool, dry, well-ventilated area. Keep containers closed.

Dissolves in strong acids, with the exception of glass content.