

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: Applies to all Poly Chip colors.
General use: Filler material

Manufacturer Name

ACS International, Inc.
4775 S. Third Avenue
Tucson, AZ 85714
Tel; 520.889.1933

Emergency Information

Emergency Telephone: 520-889-1933
Toll Free: 1-800-669-9214

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Abbr.	CAS No.	EIN No.	Weight %	ECC No.	Class	ACGIH TLV	OSHA PEL	Other Limits
Aluminum Try-hydrate		21645-51-2		50–97%					15 mg/M3 (total) 5 mg/M3 (resp)
Titanium Dioxide		13463-67-7		<1.0%					10 mg/M3 (total) 5 mg/M3 (resp)
Filler*		N/A		3–20%					15 mg/M3 (total)

*Filler is propriety, trade secret ingredient and is considered non-hazardous under OSHA 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

Most Important Hazards: This product may irritate eyes and skin upon prolonged or repeated exposure. Inhalation of high concentrations 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: Not a known skin irritant.

Eyes: Irritant by mechanical means.

Inhalation: Inhalation of dust may produce respiratory tract irritation, characterized by burning, sneezing and coughing. Considered a nuisance particle.

Ingestion: Not applicable under normal industrial situations

4. FIRST AID MEASURES

Skin: Not a skin irritant.

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 attention 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

Flash Point: Alcohol Foam—No Use a self-contained breathing apparatus approved by NIOSH for all fires.
650°F for base material. Filler material does not apply.

Explosive limits in air: N/A

Unusual Fire and Explosion Hazard: Generally non-flammable. In a sustained fire, product components may degrade to form carbon monoxide, hydrogen cyanide, and other hazardous byproducts.

NFPA Classification: Flammable: 0 Health: 0 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.

7. HANDLING AND STORAGE

Handling precautions:

Avoid direct contact with eyes. Do not breathe dust in concentrations above established limits. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Store/use in a well ventilated area. Mechanical ventilation is recommended.

Personal Protection Equipment

Respiratory: Wear a NIOSH approved filtering face piece dust mask wear ventilation is not adequate with particulate filters in atmosphere to 10X the PEL. Use in a well ventilated area.

Eye: Safety glasses with side shields are recommended.

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

Exposure Limits:

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granular solid.	Color: Various	Odor: None
Specific Gravity:	N/A	Boiling Point: N/A	Melting Point: N/A
Solubility:	Insoluble acids and strong alkalis.		

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.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT/TDG Classification: Not controlled.

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.

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

S-phrases: S22, Do not breathe substance.
S25, Avoid contact with eyes.

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. Prolonged exposure to moisture will lead to caking of the product. No hazard entailed, but will result as a detriment in handling.

Dissolves in strong acids.