

Alumina Tri-Hydrates
Onyx Pro, Bayer Grade, OC 1500, OC 2000

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 Last Revised: 12/08/09
 Print Date: 12/8/2009

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: Onyx Pro, Bayer Grade, OC 1500, OC 2000
 Chemical name: Alumina Tri-Hydrate
 General use: Filler material

Manufacturer Name

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

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 tri-hydrate	Al (OH) 3	21645-51-2		99.90%			N/A	10	10
Sodium/oxygen	Na ₂ O	1313-59-3		0.13%		N/A	N/A	N/A	N/A
Iron/oxygen	Fe ₂ O ₃	1309-37-1		0.01%					
Silicon	Si O ₂	7631-86-9		0.01%					
Water	H ₂ O (free)	7732-18-5		0.04%		N/A	N/A	N/A	N/A

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: May cause dry skin with extended exposure.

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.

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

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

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: White	Odor: Little to none.
Specific Gravity:	2.24	Boiling Point: N/A	Melting Point: N/A
Solubility:	Insoluble in water		

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.

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. 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.

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.