



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco ATH**

Other means of identification:

Product Description: General Use: refractory material, abrasive, fire retardant and smoke suppressant for plastics, ceramic material.

Synonyms: Alumina Trihydrate; Aluminum Hydroxide, Aluminum Trihydroxide

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco ATH is a flame retardant/smoke suppressant that releases 35% water of crystallization when heated above 200 deg.C.. It acts as a vapor barrier that prevents oxygen from reaching a flame. Typical loading from 20 to 150 phr.

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation

Address: 4837 Darrow Road
Stow, OH 44224
USA

General Phone Number: 330 650 2244

General Fax Number: 330 650 2255

Emergency phone number:

Emergency Phone Number: Chemtrec 1 800 424 9300 USA

Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Class: Not GHS Classified.

Hazard Statements: Not applicable.

Precautionary Statements: Not applicable.

Hazards not otherwise classified that have been identified during the classification process:

Alumina Trihydrate

Route of Exposure: Inhalation, Eye, and Ingestion.

Eye: May cause irritation through mechanical abrasion.

Skin: May cause irritation through mechanical abrasion.

Inhalation: Inhalation of high concentrations of this inert nuisance particulate can result in mild irritation of the respiratory tract.

Ingestion: Unlikely.

Chronic Health Effects: Not Applicable

Carcinogenicity: IARC, NTP, and OSHA do not list alumina trihydrate as a carcinogen.

Neither this product nor any of its components are considered carcinogenic by OSHA, IARC, NTP, or ACGIH.

Aggravation of Pre-Existing Conditions: Medical Conditions Aggravated by Long-Term Exposure: Not Applicable

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
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SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Flush eyes thoroughly for 15 minutes taking care to rinse under eyelids. Do not scrub. Abrasion may cause irritation. If discomfort continues, continue to wash with water. If irritation persists, consult a physician.
Skin Contact:	Wash skin thoroughly with soap and water for at least 15 minutes. Consult a physician if irritation persists.
Inhalation:	If overcome by high dust concentrations, remove to a ventilated area.
Ingestion:	If swallowed, dilute with large amounts of water. Do not induce vomiting. Consult a physician immediately.

Most important symptoms/effects, acute and delayed:

Other First Aid: After first aid, get appropriate in-plant, paramedic, or community medical support.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Not Applicable

Special Precautions/Procedures:

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Water spray, carbon dioxide, or other dry chemical.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts:	None.
Unusual Fire Hazards:	None known.
Fire Fighting Instructions:	Do not release runoff from fire control methods to sewers or waterways.
Burning Rate:	Does not burn.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Always wear recommended personal protection equipment (PPE), see Section 8.

Environmental precautions:

Environmental Precautions: Avoid dispersal of spilled material in drains, waterways or soil.

Methods and materials for containment and cleaning up:

Spill Cleanup Measures:	Sweep or vacuum material and place in labeled waste container for disposal. Recycle if possible.
Methods for cleanup:	Clean up using dry procedures. Avoid creating dust.
Regulatory Requirements:	Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Avoid generating dust during handling. Avoid contact with eyes and skin.
Hygiene Practices:	Wash thoroughly after handling. Follow good industrial hygiene practices when handling this material.
Special Handling Procedures:	Avoid strong oxidizing agents and excessive heat. Wear appropriate personal protective equipment (PPE), see section 8.

Conditions for safe storage, including any incompatibilities:

Storage: Requirements: Keep material dry.
Storage/Transport Temperature, degrees F (C) 50 - 104 (15.0 - 40.0)

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Use adequate ventilation to control airborne emissions.

Individual protection measures:

Eye/Face Protection: Safety goggles, as needed to avoid eye contact. Eyewash station in work area.

Skin Protection Description: Protective clothing if skin contact is expected.

Hand Protection Description: Wear appropriate work gloves to avoid repeated or prolonged skin contact.

Respiratory Protection: Any respirator will be compliant to OSHA's Respiratory Protection Standard, 29CFR1910.134.

PPE Pictograms:



Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Powder
Physical State Appearance:	Powder
Color:	White
Odor:	Odorless
Odor Threshold:	Not Established
Boiling Point:	Not Applicable
Melting Point:	3700 deg F (2038 deg C)
Density:	8-80 lb/ft ³
Specific Gravity:	(H ₂ O=1, at 4 deg C): 2.4
Solubility:	Other Solubilities: Soluble in alkaline aqueous solutions or in HCL, H ₂ SO ₄ , and other strong acids in the presence of some water.
Vapor Density:	(Air=1): Not Applicable
Vapor Pressure:	Not Established
Percent Volatile:	Not Applicable
Evaporation Rate:	Not Applicable
pH:	8.5-10.2 (20% solution)
Molecular Formula:	Not Applicable
Molecular Weight:	Not Applicable
Flash Point:	None known.
Flash Point Method:	Not Applicable
Auto Ignition Temperature:	Does not ignite.
Refractive Index:	Not Applicable
9.2. Other information:	
Surface Tension:	Not Applicable

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: Reactivity with Heat: When exposed to fire or heat, hydrated alumina loses its water of crystallization beginning at 392 deg F (200 deg C).

Chemical Stability:

Chemical Stability: Alumina trihydrate is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions:

Hazardous Polymerization: Hazardous polymerization cannot occur.

Incompatible Materials:

Incompatible Materials: Strong acids and bases. Alumina trihydrate reacts vigorously with strong acids and will dissolve in caustic solutions.

Hazardous Decomposition Products:

Special Decomposition Products: Not Applicable

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Alumina Trihydrate :

Acute Toxicity: 8040 nig/kg/67 DC oral-rat

Alumina Trihydrate :

Eye: Nuisance dust. May cause irritation through mechanical abrasion. Flush with water for at least 15 minutes. Consult physician if irritation is persistent.

Skin: Nuisance dust. May cause irritation through mechanical abrasion. Wash skin thoroughly with soap and water.

Inhalation: Acute: Nuisance dust. Overexposure to dust may cause irritation to the respiratory tract. Should this occur, remove affected individual to fresh air. If symptoms persist, consult a physician.

Ingestion: Acute Oral Effects: None known.

Sensitization: None known

Chronic Effects: None known.

Carcinogenicity: None known

Mutagenicity: None known

Teratogenicity: None known

SECTION 12 : ECOLOGICAL INFORMATION

Alumina Trihydrate :

Ecotoxicity:

Ecotoxicity: The product itself and products of degradation are not toxic.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Recycle if possible or landfill. This material, when discarded or disposed of, is not specifically listed as a hazardous waste under RCRA and would normally not exhibit any characteristics of hazardous waste as specified in 40 CFR Part 261.20. However, if this material is processed, mixed, or contaminated with other materials, it may become regulated as hazardous waste and subject to applicable RCRA requirements. Waste Disposal Method: For disposal of this material as non-hazardous, consult state and local industrial solid waste regulations or contact their regulatory authorities for guidance.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.

DOT Pictograms:



SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Alumina Trihydrate :

TSCA Inventory Status: All components listed.

SARA: Not listed

CERCLA Section 302: Not listed

State Regulations: CT, FL, IL, LA, MA, MI, MN, NJ, NY,PA, RI – Not listed

California PROP 65: Not listed

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1

HMIS Fire Hazard: 0

HMIS Reactivity: 0

Health Hazard	1
Fire Hazard	0
Reactivity	0

SDS Revision Date:

August 18, 2015

Notes :

Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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