

Material Safety Data Sheet

Provided by:

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name ALUMINUM SULFATE GROUND
Synonyms DRY ALUM
Chemical Name ALUMINUM SULFATE
Emergency phone: 281-457-4888 **Date of Issue:** 10/01/00
Chemtrec: 800-424-9300 **Revised Date:** N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
ALUMINUM SULFATE	> 98%	10043-01-3

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: 2 mg/cu. M
Eye Contact MAY CAUSE IRRITATION AND BURNS.
Skin Contact MAY CAUSE IRRITATION.
Ingestion MAY IRRITATE GASTROINTESTINAL TRACT.
Inhalation MAY CAUSE RESPIRATORY TRACT IRRITATION.
Carcinogenicity: *NTP* NO *IARC* NO *OSHA* NO

SECTION 4 - FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
Skin Contact: IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.
Inhalation: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
Ingestion: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point NOT APPLICABLE
Extinguishing Media PRODUCT IS NOT COMBUSTIBLE. WATER FOG, DRY CHEMICAL OR CARBON DIOXIDE MAY BE USED IN AREAS WHERE PRODUCT IS STORED.

**Special Firefighting
Procedures/Precuations**

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. STAY UPWIND AND KEEP OUT OF LOW AREAS.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For Spill: DRY ALUM MAY BE SHOVELED INTO CONTAINERS FOR LATER USE OR DISPOSAL.

SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

STORE IN DRY AREA TO AVOID CAKING & BAG DETERIORATION DUE TO HUMIDITY. HAVE SAFETY SHOWER AND EYE WASH FOUNTAINS NEAR BY.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory Protection** USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED.
- Ventilation** LOCAL AND MECHANICAL RECOMMENDED.
- Protective Gloves** CHEMICAL IMPERVIOUS GLOVES.
- Eye/Face Protection** CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.
- Other Protection** CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.
- Work Practices** USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F):	NOT APPLICABLE	Vapor Pressure (mmHg):	NEGLIGIBLE
Freezing Point (°F):	NOT APPLICABLE	Vapor Density (Air=1):	NOT APPLICABLE
Solubility (H2O):	HIGHLY SOLUBLE	Specific Gravity (H2O=1):	1.61
pH	3.5	Evaporation Rate:	NOT APPLICABLE
Appearance/Odor:	WHITE OR CREAMY WHITE GRANULES OR POWDER WITH NO APPRECIABLE ODOR.		

SECTION 10 - STABILITY AND REACTIVITY

- Chemical Stability:** YES
- Incompatible Materials:** ALKALIS AND WATER REACTIVE MATERIALS SUCH AS OLEUM.
- Decomposition Products:** SULFUR OXIDE GASES ARE GENERATED AT HIGH TEMPERATURES. THE LOSS OF THESE GASES LEAVES A CAUSTIC RESIDUE.
- Hazardous Polymerization:** WILL NOT OCCUR.

SECTION 11 - TOXICITY INFORMATION

NO DATA AVAILABLE.

SECTION 12 - ECOLOGICAL INFORMATION

AQUATIC TOXICITY: 14 PPM/36HR/FUNDULUS/FATAL/FRESH WATER 240 PPM/48HR/MOSQUITO FISH/TLM

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14 - TRANSPORT INFORMATION

USA DOT Shipping Name: NOT REGULATED.

Hazard Class:

UN/NA Number:

Packing Group:

Subsidiary Hazard:

Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

CERCLA RQ (lbs): 5000

SARA Title III Section 312:

Acute **Chronic** **Flammable** **Sudden Release of Pressure** **Reactive**

SARA Title III Section 313: No

SARA Extremely Hazardous Substance: No

HMIS HAZARD RATING

Health: 1 **Fire:** 0 **Reactivity:** 0

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

SECTION 16 - OTHER INFORMATION

EPA Pesticide Registration Number: NOT APPLICABLE

NSF Maximum Use Level for Potable Water (Standard 60): NOT APPLICABLE

TSCA (Toxic Substance Control Act), 40 CFR 710:

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

DISCLAIMER

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