

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Bonide Aluminum Sulfate

ID # 705

Date: March 10, 2008

Section I

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

(800) 424-9300
(315) 736-8231

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
AL ₂ (SO ₄) ₃ x H ₂ O CAS# 17927-65-0	NONE	2mg(AL)/m ³ in air (Aluminum Soluble Salts)		

Common Names: Papermakkers Alum, Filter Alum, Dry Alum

DOT: Aluminum Sulfate
RQ 5000 lbs. Hazardous Substance
UN 3082 9 Class 3
Not regulated if less than 5000 pounds in one package.

Section III - Physical/Chemical Ingredients

BOILING POINT: 240°F	SPECIFIC GRAVITY(H ₂ O=1): 1.6
VAPOR PRESSURE (mmHg): N/A	VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: 50% @ 60°F	EVAPORATION RATE (Butyl Acetate=1): N/A
MELTING POINT: N/A	
APPEARANCE AND ODOR: White to off white granules or powder, no odor.	

Section IV - Fire and Explosion Data

FLASHPOINT: Non Flammable	LEL: N/A	UEL: N/A
FLAMMABLE LIMITS (PERCENT BY VOLUME): N/A		
EXTINGUISHING MEDIA: N/A	SPECIAL FIRE FIGHTING PROCEDURES: N/A	
UNUSUAL FIRE AND EXPLOSION HAZARDS > 14000°F May Cause Toxic Gases (Sulfur Oxide) to form.		

Section V - Reactivity Data

STABILITY: Stable
CONDITIONS TO AVOID: Aluminum Sulfate precepitates alkalies and lowers pH in aqueous solutions.
HAZARDOUS POLYMERIZATION: Will not occur
INCOMPATIBILITY (Materials to avoid): Those, which are sensitive to lowered pH.
HAZARDOUS DECOMPOSITION PRODUCTS: As under Section IV (Fire and explosion hazards).
HAZARDOUS POLYMERIZATION: Will not occur

Section VI - Health Hazard Information

ROUTES OF ENTRY:

INHALATION: Mist may cause irritation.

SKIN-EYES: May cause irritation.

INGESTION: May cause irritation.

HEALTH HAZARDS (acute and Chronic): LD₅₀ (Mouse) 6207 mg/kg - Registry of Toxic Effects Dept. Health & Human Services 1985 - 86 ed.

NFPA CODE: 1, 0, 0

HMIS CODE: 1, 0, 0

CARCINOGENICITY: Not regulated as a carcinogen by OSHA or listed by NTP.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation, if ingested nausea, vomiting, abdominal pain.

In all cases get medical attention if discomfort persists.

Section VII - Control Measures

RESPIRATORY PROTECTION (Specify type): None usually required.

VENTILATION:

Local Exhaust - None required

Special - None required

Mechanical (General): None required

Other: Concentration in air for mist

TLV: 2mg/(AL)/m3 ACGIH

PROTECTIVE GLOVES: Rubber or equivalent

EYE PROTECTION: Goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK/HYGIENE PRACTICES: Limit direct contact to avoid irritation.

NOTICE: This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE N/E: NOT ESTABLISHED ND: Not Determined

TLV: THRESHOLD LIMIT VALUE TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT D.O.T.: DEPARTMENT OF TRANSPORTATION

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