# SAFETY DATA SHEET

ProChemOnline.com

ProChem inc.

## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Aluminum Sulfate Hydrate**

PRODUCT NUMBER: 1046

CAS NUMBER: 17927-65-0

SYNONYMS: Dialuminum sulfate hydrate

**MANUFACTURER:**

ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

PHONE: 815-398-1788
TOLL FREE: 800-795-8788

**IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300**

## SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFICATION OF SUBSTANCE OR MIXTURE**

| | |
|---|---|
| Corrosive to metals: | Category 1 |
| Serious eye damage / eye irritation: | Category 1 |
| Specific target organ toxicity, single exposure: Respiratory tract irritation. | Category 3 |

Pictogram



Signal Word **Danger.**

**Hazard Statements**

| | |
|---|---|
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H335 | May cause respiratory irritation |

**Precautionary Phrases**

| | |
|---|---|
| P264 | Wash skin thoroughly after handling |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P340 | Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332 + P313 | IF SKIN irritation occurs: Get medical advice/attention. |
| P406 | Store in a corrosive resistant container with resistant inner liner |

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $Al_2(SO_4)_3 \cdot XH_2O$

Molecular Weight: 342.15 (anhy.)

| CHEMICAL NAME | CAS# | % |
|---|---|---|
| Aluminum Sulfate Hydrate | 17927-65-0 | 98 |

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistants in keeping their eyelids open. Get immediate competent medical attention.
**SKIN EXPOSURE**: Was affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.
**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not applicable
**AUTO IGNITION TEMPERATURE:** None
**EXPLOSION LIMITS:** None
**EXTINGUISHING MEDIUM:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
**SPECIAL FIRE FIGHTING PROCEDURES**: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.
**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS**: If involved in a fire this material may emit toxic fumes of sulfur oxides.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Always wear appropriate protective equipment.
**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drains.
**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Small spills can be mixed with powdered sodium carbonate or ground limestone and swept up.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Do not breathe dust. Wear suitable personal protective equipment and respiratory equipment.
**CONDITIONS FOR SAFE STORAGE:** Store material in a tightly sealed container in a dry area.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION**: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.
**SKIN PROTECTION**: Chemical-resistant gloves.
**VENTILATION:** If possible, handle the material in an efficient fume hood.
**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in OSHA compliance with 29 CFR 19-10.134.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Colorless crystal
**MOLECULAR WEIGHT:** 342.15 (anhy.)
**MELTING POINT**: 86.5° C
**SPECIFIC GRAVITY:** 1.69

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** No data
**VAPOR PRESSURE:** Not applicable
**SOLUBILITY:** Solubility in water – 86.9 g/100 cc

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions
**HAZARDOUS POLYMERIZATION:** No hazardous polymerization
**CONDITIONS TO AVOID**: Contact with moisture
**INCOMPATIBILITY:** Strong oxidizing agents
**DECOMPOSITION PRODUCTS**: Sulfur oxides

## SECTION 11 TOXICOLOGICAL DATA

**RTECS DATA:** LD50 Oral – Rat – male and female – 2,000 mg/kg
Skin – Rabbit no skin irritation after 4 h. Eye – Rabbit; results Irreversible effects on the eye.
**CARCINOGENIC EFFECTS:** No data
**MUTAGENIC EFFECTS:** Not data
**TETRATOGENIC EFFECTS:** No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## SECTION 12 ECOLOGICAL DATA

No information available.

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Non-hazardous

## SECTION 15 REGULATORY INFORMATION

**TSCA:** All substances listed in the TSCA inventory – No substances are Significant to New Use Rule or subject to TSCA 12(b) export notification requirements.

**SARA 311/312:** Acute Health Hazard / Chronic Health Hazard

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**MASSACHUSETTS RIGHT TO KNOW:** Aluminum sulfate hydrate

**PENNSYLVANIA RIGHT TO KNOW:** Aluminum sulfate hydrate

## SECTION 16 OTHER INFORMATION

**CAS #:** Chemical Abstracts Service Number
**(anhy.): anhydrous**, which means "without water"
**NIOSH:** National Institute for Occupational Safety and Health
**LD50:** Lethal Dose, 50%

## SECTION 16 OTHER INFORMATION. (Cont.)

**OSHA:** Occupational Safety and Health Administration
**TSCA:** Toxic Substances Control Act
**SARA:** Superfund Amendments and Reauthorization Act

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREVIOUSLY REPARED: 01/14
**DATE REVISED 08/26**
REVISION SUMMARY: Removed fax number. Updated section #2 categories, hazard & precautionary statements and section # 16 added new abbreviations. All other details in this document about this product remained unchanged. Revised by EHS 08/26
EHS/SDS DEPT.