

Holland Company, Inc.

ALUMINUM POTASSIUM SULFATE

Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product / Chemical Name: Aluminum potassium sulfate - dodecahydrate

CAS No.: 7784-24-9

Chemical Family: Aluminum salt

General use: Raw material, Industrial applications, Food & Pharma applications (FCC & USP grades)

Uses advised against: None known

Company Information:

Holland Company, Inc.

153 Howland Avenue

Adams, MA 01220 U.S.A.

Phone: 413-743-1292 FAX: 413-743-1298

Emergency Phone:

1-800-424-9300 Chemtrac (USA)

1-888-226-8832 or Cell: *666 (Canada)

SECTION 2. HAZARDS IDENTIFICATION



WARNING - IRRITANT

AVOID CONTACT

Hazard Statements:

Do not ingest.

May be irritating to eyes.

May be irritating to skin.

May be irritating to respiratory system.

Classification criteria not met for 2012 OSHA Hazardous Communication Standard (29 CFR 1910.1200).

Based on Regulation (EC) No 1272/2008 not a hazardous substance or mixture.



SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance:

Chemical name: Aluminum Potassium Sulfate dodecahydrate / Potassium Alum

Concentration: 100%

CAS#: 7784-24-9

ECHA EC list No: 616-521-7

Impurities: NA. No impurities or additives which are themselves classified and which contribute to the classification of the substance.

SECTION 4. FIRST AID MEASURES

Ingestion:

Rinse mouth with water.

If symptoms occur get medical attention.

Inhalation:

Move to fresh air. If symptoms occur get medical attention.

Eye contact:

Exposure may result in transient irritation. Rinse eyes thoroughly with water for an extended period.

If irritation persists, get medical attention.

Skin contact:

Prolonged exposure may cause irritation. Wash thoroughly after contact.

SECTION 5. FIRE FIGHTING MEASURES

Flammability: Product is not flammable and will not burn.

Controls: To maintain packaging integrity, avoid the direct use of high-pressure water stream.

Hazards: Thermal decomposition can lead to release of aluminum, sulfur and potassium oxides.

Protective equipment: As in any fire use appropriate self-contained breathing apparatus.

Mechanical impact: Not sensitive.

Static discharge: Not sensitive.

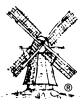
SECTION 6. ACCIDENTIAL RELEASE MEASURES

Personal precautions protective equipment and emergency procedures:

Clear unnecessary staff from area. If direct contact with spilled material is likely use protective equipment.

Methods for clean up: Sweep or vacuum into closed container for reuse or disposal.

Environment: Do not release to the environment.



SECTION 7. HANDLING AND STORAGE

Safe handling: Provide adequate ventilation. Avoid generating dust. If direct contact with material is likely use protective equipment.

Incompatible materials: Avoid contact with oxidizing agents.

General hygiene: Do not eat, drink, take medication or smoke when direct contact is possible. Always thoroughly wash hands after leaving a work area where contact is possible or has occurred.

Storage: Keep in closed, labeled containers in a secure location. Product is hygroscopic. Protect from exposure to moisture and excessive humidity to prevent product hardening and changes in assay.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

No Exposure Limits noted for this product
Exposure Limits (U.S.A.): For Aluminum soluble salts

OSHA PEL TWA STEL 1mg/m ³ as Al none est.	ACGIH TLV TWA STEL 2mg/m ³ as Al none est.	NIOSH IDLH none est.
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Ventilation: Local passive ventilation is typically used. Under normal conditions respiratory protective equipment is not needed.

Eyes: Use protective eyeglasses-goggles and face shield protection to prevent direct contact.

Skin: Use gloves and foot covering. Wear long sleeve shirts and full-length trousers.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to colorless solid

Flammability: Not flammable.

Upper/lower flammability limits: NA

Auto ignition: NA

Flash point: NA

Odor: None

Oxidizing properties: Not classified as oxidizing

Vapor density: NA

pH@ 25°C (77°F): 3.0-3.5 / 10% aq. Solution

Density: NA

Melting point: 92°C (198°F) approx.

Boiling point: NA

Solubility: Soluble in water

Evaporation rate: NA

Partial coefficient: n-octanol/water: NA

Decomposition temperature: >200°C (392°F).

Viscosity: NA

VOC: NA



SECTION 10. STABILITY AND REACTIVITY

Chemical stability:

Product is chemically stable under normal ambient temperature and conditions while stored or used.

Conditions to avoid: Do not exceed 200°C (392°F)

Decomposition products: Thermal decomposition of product can release irritating fumes.

Materials to avoid: Strong oxidizing agents

SECTION 11. TOXICOLOGY INFORMATION

Toxicity:

Reported Low order of acute toxicity

Oral estimate: LD50/Oral Rat >2,000mg/kg (as aluminum)

Inhalation estimate: No data available.

Dermal estimate: No data available

Effects of exposure:

Ingestion: Can cause vomiting.

Eyes: May be irritating.

Skin: May irritate skin.

Sensitization: Not sensitizing.

Respiratory: Inhalation may be irritating

Mucous membranes: May cause irritation.

Carcinogenicity: NTP Not listed, IARC Not listed, OSHA Not listed.

Reproductive Toxicity, Mutagenic or teratogenic effects: None known

SECTION 12. ECOLOGICAL INFORMATION

Bioaccumulation potential: This product is not expected to bioaccumulate.

Results of PBT and vPvB assessment: No data available.

Octanol-water coefficient: NA, inorganic compound.

Biodegradability: Not applicable to inorganic substances.

Chemical degradability: No data available.

Mobility in Soil: No data available.

Other adverse effects: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

RCRA Hazardous waste: Not listed.

Dispose of unused material and packaging in accordance with local, regional and national regulations.

SECTION 14. TRANSPORTATION INFORMATION

DOT: Not regulated

IMDG: Not dangerous good

IATA: Not dangerous goods

ADR: Not dangerous good



SECTION 15. REGULATORY INFORMATION

RCRA Hazardous waste: Not Listed.

CERCLA Hazardous substance: Not listed **CERCLA Reportable Quantity (RQ):** NA

SARA 311/312: No SARA hazards **SARA 313 Toxic Chemical listing:** Not listed

SARA Extremely hazardous substance (EHS): Not listed

OSHA: Not listed **California prop 65 chemical:** Not listed **Canada WHMIS:** Irritant 2015 classification

ELINCS (European list of Notified Substances): Not listed

United States TSCA Section Inventory Status: Product exempt or listed on the TSCA Inventory.

Canada CEPA / Canadian Domestic Substances List (DSL): Listed.

State - Province regulations: No information

Inventories (partial): Korea (TCCL), Philippines, European (EINECS), NZ.

SECTION 16. OTHER INFORMATION

NFPA: Health 1, Flammability 0, Instability 0, Special Hazards Not determined

Preparatory statement:

The information in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information we have available, and belief as of the publication date. The information is designed solely as guidance for handling, storage, transportation, release, and disposal and is not to be considered a warranty or quality specification.

Date Sources for the SDS:

Literature, direct manufacturing experience, databases, practice, publications, own tests, regulations

Revision:

October 2019 replaces all earlier

SDS ID: KA



Holland Company, Inc.
153 Howland Avenue
Adams, Massachusetts 01220
U.S.A.
800-639-9602

Form: SDS 04/2020/01/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/00