



**Dominion Veterinary Laboratories Limited**  
**Quality Animal Health Pharmaceuticals - Dedicated Service Since 1950**  
1199 Sanford Street - Winnipeg, Manitoba R3E 3A1  
Telephone: (204) 589.7361 / 589.7362 - Fax: (204) 943.9612  
Toll Free: 1.800.465.7122 - www.domvet.com

## **Safety Data Sheet**

### **ALUM**

**Date:** December 20, 2021

#### **Identification**

##### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name :** Alum

**Recommended use of the chemical and restrictions on use**  
: Industrial, Manufacturing, Chemical intermediate

**Restricted Uses** No information available

**Product Code:** 00P-ALUM1

**CAS No.:** 7784-24-9

**Supplier:** Shelbri Chemical Sales (Division of)  
**Dominion Veterinary Labs LTD.**  
1199 Sanford St.  
Winnipeg, Manitoba  
R3E 3A1  
**Telephone: (204)-586-3484**  
**Fax: (204)-943-9612**

**Emergency telephone number :**  
Local Emergency Contact : During Office hours Monday-Friday, 9:00 am - 4.30 pm (CST) : 1-204-589-7361,  
800-465-7122.

#### **HAZARDS IDENTIFICATION**

<b>Hazard Classification</b>	Not Classified
<b>Hazard Symbol</b>	No Symbol
<b>Signal Word</b>	No Signal Word
<b>Hazard Statement</b>	Not Applicable
<b>Precautionart Statement</b>	Not Applicable

**Other Hazards which do not Result in GHS classification** None



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## Composition / information on ingredients

Chemical Identity	CAS Number	Content in Percent % *
Aluminum Potassium Sulfate Dodecahydrate	7784-24-9	98-100%

\*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume

## First aid measures

General Information Get medical advice/attention if you feel unwell. Show this Safety data sheet to the doctor in attendance.

<b>Ingestion</b>	Rinse mouth thoroughly. call a POISON CENTER or doctor/physician if you feel unwell.
<b>Inhalation</b>	Move to fresh air. Get medical attention if symptoms persist
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse
<b>Eye contact</b>	Flush thoroughly with water. If irritation occurs, get medical assistance

### Most important symptoms/effects, acute and delayed

**Symptoms** May cause irritation to skin, eyes, and respiratory tract

### Indication of immediate medical attention and special treatment needed

**Treatment** Treat symptomatically. Symptoms may be delayed

## Firefighting measures

<b>General Fire Hazards</b>	In case of fire and/or explosion do not breathe fumes
<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials
<b>Unsuitable extinguishing media</b>	Not known
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures** Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.

### Special protective equipment for fire-fighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA

## Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unauthorized personnel away. Use personal protective equipment; See Section 8 of the SDS for Personal Protective Equipment
<b>Methods and material for containment and cleaning up</b>	Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.



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**Notification Procedures** Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground

**Handling and storage**

**Precautions for safe handling** Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.

**Conditions for safe storage including any Incompatibilities** Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

**Exposure controls/personal protection**

**Control parameters**  
**Occupational Exposure Limits**

Chemical identity	Type	Exposure Limit values	Source
ALUMINUM POTASSIUM SULFATE (DODECAHYDRATED FORM) - Res irable fraction	TWA	1 mg/m3	US. ACGIH Threshold Limit Values (2011)
ALUMINUM POTASSIUM SULFATE (DODECAHYDRATED FORM) - as Al	REL	2 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	2 mg/m3	US. OSHA Table Z-I-A (29 CFR 1910.1000) (1989)

**Appropriate Engineering controls** No data available

**Personal protective equipment**  
**General information**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection** Use tight fitting goggles if dust is generated

**Skin Protection**

**Hand Protection** Wear protective gloves

**Other** Wear suitable protective clothing

**Respiratory Protection** In case of inadequate ventilation use suitable respirator



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### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

## Physical and chemical properties

### Appearance

<b>Physical state</b>	Solid
<b>Form</b>	Crystal
<b>Color:</b>	Colorless
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No data available
<b>pH</b>	3.3 (0.2 molar aqueous solution)
<b>Melting point /freezing point</b>	92.5°C
<b>Initial boiling point and boiling range:</b>	200 °C
<b>Flash Point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower limit on flammability or explosive limits</b>	No data available
<b>Flammability limit – upper (%):</b>	No data available
<b>Flammability limit – lower (%):</b>	No data available
<b>Explosive limit – upper (%):</b>	No data available
<b>Explosive limit – lower (%):</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	1.73 (20°C)
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	242 g/l (20°C)•, 5,760 g/l (100°C )
<b>Solubility (other):</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available

## Stability and reactivity

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.



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Possibility of hazardous reactions : Hazardous polymerization does not occur

Conditions to avoid : Moisture. Contact with incompatible materials

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : In case of fire, toxic and corrosive gases may be formed

### **Toxicological information**

Commented [CL1]:

#### **Information on likely routes of exposure**

**Ingestion** May cause irritation of the gastrointestinal tract  
**Inhalation** May cause irritation to the respiratory system  
**Skin contact** May cause irritation  
**Eye contact** May cause temporary eye irritation

#### **Information on toxicological effects**

##### **Acute toxicity (list all possible routes of exposure)**

**Oral** No data available  
**Dermal** No data available  
**Inhalation** No data available  
**Repeated dose Toxicity** No data available  
**Skin Corrosion/Irritation** May cause skin irritation

**Serious Eye Damage /Eye Irritation** May irritate eyes

**Respiratory or Skin Sensitization** Not a skin sensitizer

**Carcinogenicity** This substance has no evidence of carcinogenic properties

#### **IARC Monographs on the Evaluation of Carcinogenic**

**Risks to Humans** No carcinogenic components identified

#### **US. National Toxicology Program (NTP)**

**Report on Carcinogens** No carcinogenic components identified

#### **US. OSHA Specifically Regulated**

**Substances (29 CFR 1910.1001-1050)** No carcinogenic components identified

#### **Germ Cell Mutagenicity**

**In vitro** No mutagenic components identified



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**In vivo** No mutagenic components identified

### Reproductive Toxicity

#### Specific Target Organ Toxicity –

Single Exposure No data available

#### Specific Target Organ Toxicity –

Repeated Exposure No data available

Aspiration Hazard None known

Other Effects None known

### Ecological information

#### Ecotoxicity

##### Acute hazards to the aquatic environment

Fish No data available

Aquatic invertebrates No data available

##### Chronic hazards to the aquatic environment

Fish No data available

Aquatic Invertebrates No data available

Toxicity to Aquatic Plants No data available

##### Persistence and Degradability

Biodegradation There are no data on the degradability of this product

BOD/COD Ratio No data available

##### Bioaccumulative Potential

Bioconcentration Factor (BCF) No data available on bioaccumulation

##### Partition Coefficient n-octanol / water

(log Kow) No data available

Mobility in Soil No data available

Other Adverse Effects The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment

### Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging** Since emptied containers retain product residue, follow label warnings even after container is emptied.

### Transport information

**DOT (Department of Transportation):** Not regulated

**IATA (International Air Transport Association):** Not regulated



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## Regulatory information

### US Federal Regulations

#### TSCA Section 12(b) Export Notification (40 CFR 707, subpt. D)

None present or none present in regulated quantities

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities

#### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities

#### Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

##### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities

##### SARA 304 Emergency

##### Release Notification

None present or none present in regulated quantities

##### SARA 311/312 Hazardous Chemical

Threshold planning Qty: 500lbs

##### SARA 313 (TRI Reporting)

None present or none present in regulated quantities

#### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities

#### Clean Air Act (CAA) Section 112(r)

#### Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities

## OTHER INFORMATION

### Revision information

The information contained herein is, to the best of our knowledge, true and accurate. Any recommendations or suggestions are made without obligation on our part and the Company accepts no liability to any customers, their employees or any other person whatsoever for any loss, injury or damage whether direct or consequential, which may be caused by an error or emission from this sheet even if negligence or otherwise.

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