



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

Hazard Classification	Not Classified
Hazard Symbol	No Symbol
Signal Word	No Signal Word
Hazard Statement	Not Applicable
Precautionart Statement	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.

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

General Fire Hazards	In case of fire and/or explosion do not breathe fumes
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials
Unsuitable extinguishing media	Not known
Specific hazards arising from the chemical	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

Personal precautions, protective equipment and emergency procedures	Keep unauthorized personnel away. Use personal protective equipment; See Section 8 of the SDS for Personal Protective Equipment
Methods and material for containment and cleaning up	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

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