



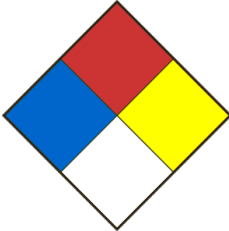
Centre Anti-Poison pour le Québec: (800) 463-5060
 Tél. (Qc): (418) 660-8666 / 800-890-8666
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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|---|------------------------------------|---|------------------------|
| Product Identifier ALUMINIUM POTASSIUM SULFATE (DODECAHYDRATE) | | Product Use Laboratory use | |
| Chemical formula AlK(SO ₄) ₂ ·12H ₂ O | | Product code AP-0120 ; AR-0120 | Molar weight 474,39 |
| Chemical name / Commercial name / Synonymous Disulfate d'aluminium et potassium dodécahydrate, Potassium aluminum sulfatedodecahydrate, Alum, Potassium alum | | | |
| Supplier's name Laboratoire MAT | | Address-Street 610, Adanac Street | |
| City Québec | | Province Québec | |
| Postal code G1C 7B7 | Internet www.labmat.com | Phone number 418-660-8666 / 800-890-8666 | |
| Emergency phone | CANUTEC: 613-996-6666 | CENTRE ANTI-POISON DU QUÉBEC 800-463-5060 | |
| Date SDS 4/5/2019 | SDS Prepared by Laboratoire MAT | E-Mail labmat@labmat.com | |

SECTION 02 - HAZARDS IDENTIFICATION

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| Classification WHIMS / GHS | Not a hazardous substance according to WHMIS 2015 |
| Other dangers | NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme) |
|  | Health 1 Fire 0 Reactivity 0 Special danger |

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingrédients (Dénomination chimique / synonymes) | Numéro CAS et tout identificateur unique | Concentration (%) |
|---|--|-------------------|
| Sulfate d'aluminium et de potassium | 7784-24-9 | <=100 |

SECTION 04 - FIRST AID MEASURES

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| Eye contact | Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention. |
| Skin contact | Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention. |
| Inhalation | Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician. |
| Ingestion | If the person is conscious, drink water and do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician. |
| Most important symptoms and effects (acute and delayed) | Ref. section 11. |
| Immediate medical attention and special treatment, if necessary | In case of medical consultation, keep this sheet available. |
| General advice | Show this safety data sheet to the doctor in attendance. |

SECTION 05 - FIREFIGHTING MEASURES

| | |
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| Flammability | No |
| Ignition conditions | Not flammable or combustible. |
| Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable extinguishing media | Data not available. |
| Hazardous combustion / decomposition products | When heated to decomposition, aluminum sulfate and potassium dodecahydrate gives off toxic vapors of sulfur oxides. Hazardous decomposition products formed under fire conditions. Oxides of sulfur, oxides of potassium, oxide aluminum. |
| Special fire and explosion hazards | May react violently with incompatible products (Ref Section 10). |
| Special protective equipment and precautions for firefighters | Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus. |

SECTION 06 - ACCIDENTAL RELEASE MEASURES

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| Methods and materials for containment and cleaning up / Personal precautions, protective equipment | Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Clean and rinse with water. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. |
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SECTION 07 - HANDLING AND STORAGE

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| Conditions for safe storage | Store in a cool, dry place. Store in a well-ventilated area. Keep container tightly closed and store away from heat, moisture, and incompatible products. |
| Methods of handling | Avoid contact with the skin, eyes and clothes. Provide appropriate exhaust ventilation at places where dust or vapor is formed. Normal measures for preventive fire protection. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14) |

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

| Components | CAS-No. | Value | Control Citric acid | |
|---|-----------|-------------------|---------------------|---|
| Potassium aluminium sulfate dodecahydrate | 7784-24-9 | No data available | TLV, TWA, STEL | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| | | No data available | TLV, TWA, STEL | Canada. British Columbia OEL |
| | | No data available | TLV, TWA, STEL | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |

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| Ventilation | Fan. |
| Respiratory | If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply. |
| Gloves | Handle with gloves. |
| Eyes | Safety goggles with safety shutters. |
| Shoes | Safety shoes. |
| Clothing | Labcoat. |
| Engineering control | Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values. |

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

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| Physical state | Solid. |
| Appearance | Poudre cristalline de couleur blanche.- |
| Odour | inodore. |
| Odour threshold | Data not available |
| pH | Solution aqueuse 0.2 M = pH 3.3. |
| Melting point / Freezing point | 92°C |
| Initial boiling point | 200°C (dec) |
| Boiling range | Data not available |
| Flash point | Data not available |
| Evaporation rate | Data not available |
| Flammability | No |
| Lower flammable / Explosive limit | Data not available |
| Upper flammable / Explosive limit | Data not available |
| Vapour pressure | Data not available |
| Vapour density | Data not available |
| Relative density | 1,725 g/ml à 20 °C- |
| Solubility | Soluble dans l'eau (14%). Insoluble dans l'alcool.. |
| Partition coefficient water/n-octanol | Data not available |
| Auto-ignition temperature | Data not available |
| Decomposition temperature | > 200°C- |
| Viscosity | Data not available |

SECTION 10 - STABILITY AND REACTIVITY

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|---|--|
| Reactivity | Non-reactive under normal conditions. |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | Stable under normal conditions. |
| Conditions of instability (Including sensitivity to shock / static discharge / vibration) | Incompatible products. Avoid dust formation. Avoid moisture and excessive heat. |
| Incompatible material | Strong acids and bases, steel, aluminum, copper, zinc and moisture. Strong Oxidants, Bases, Steel (includes all types and surface treatments), Aluminum, Copper, Zinc. |
| Hazardous decomposition products | Toxic vapors of sulfur oxides. Hazardous decomposition products formed under fire conditions. Sulfur oxides, potassium oxides, aluminum oxide. |

SECTION 11 - TOXICOLOGICAL INFORMATION

ALUMINIUM POTASSIUM SULFATE (DODECAHYDRATE)

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| Routes of exposure | Ingestion, inhalation, skin and eyes. |
| Acute exposition effects / symptoms: | By exposure route below. |
| - Eyes | Irritation and tearing. |
| - Skin | Irritation and dermatitis. |
| - Inhalation | Irritation of the mucous membranes and respiratory tract. Nervous disorders, chest pain, cough, dyspnea, headache, dizziness, nausea and vomiting. |
| Acute toxicity (Ingestion) | Irritation of the mucous membranes. Dysphagia, abdominal and epigastric pain, cramps, diarrhea, headache, dizziness, salivation, seizures, nausea and vomiting. |
| Chronic exposure effects / symptoms | Burning sensation, dermatitis, nervous disorders, chest pain, cough, dyspnea, headache, dizziness, confusion, irritability, tearing, tiredness, nausea and vomiting. |
| DL50 (specify species and route of entry) | LD50 Oral - Mouse - >2 g/kg LD50 Dermal - Data not available. |
| CL50 (specify species and route of entry) | LC50 - Inhalation - Data not available. |

SECTION 12 - ECOLOGICAL INFORMATION

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| Ecotoxicity | Data not available. |
| Persistence and degradability | Soluble in water. Persistence is unlikely based on the information provided. |
| Bioaccumulative potential | Data not available. |
| Mobility in soil | Probable mobility in the environment due to its solubility in water. |
| Other adverse effects | Data not available. |

SECTION 13 - DISPOSAL CONSIDERATIONS

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|-------------------------------|--|
| Waste Disposal Method | Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company. |
| Contaminated Packaging | Dispose of as unused product. |

SECTION 14 - TRANSPORT INFORMATION

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|-----------------------------------|-----|
| UN Number | N/R |
| UN Proper shipping name | |
| Transport hazard class(es) | |
| Packing group | |
| Limited quantity index | |
| ERAP Index | |
| Special precautions | |

SECTION 15 - REGULATORY INFORMATION

| | |
|---------------------|---|
| WHIMS CANADA | Not a hazardous substance according to WHMIS 2015 |
|---------------------|---|

SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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