



**Qualikems**

# Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Product identifiers

Product name : **Aluminium Potassium Sulphate**

CAS-No. : 7784-24-9

### 2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Industrial & for professional use only.

### Details of the supplier of the safety data sheet

Company : QUALIKEMS LIFESCIENCES PVT LTD.

Works : Plot No. 68.69,G.I.D.C  
Industrial Estate, Nandesari,  
Vadodara-391340 (Gujarat)

### Emergency telephone number

Emergency Phone # : +91-265-2841531 (9:00am - 6:30 pm) [Office hours]

## SECTION 2: Hazards identification

### 1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### Label elements

Not a hazardous substance or mixture.

### Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms : Potassium aluminum sulfatedodecahydrate  
Alum  
Potassium alum

Formula :  $AlK(SO_4)_2 \cdot 12H_2O$

Molecular weight : 474.39 g/mol

CAS-No. : 7784-24-9

EC-No. : 233-141-3

No components need to be disclosed according to the applicable regulations.

#### **SECTION 4: First aid measures**

##### **Description of first aid measures**

###### **ed**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

###### **In case of skin contact**

Wash off with soap and plenty of water.

###### **In case of eye contact**

Flush eyes with water as a precaution.

###### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

##### **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

#### **SECTION 5: Fire fighting measures**

##### **Extinguishing media**

###### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### **2 Special hazards arising from the substance or mixture**

Sulphur oxides, Potassium oxides, Aluminum oxide

##### **3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

##### **Further information**

No data available

#### **SECTION 6: Accidental release measures**

##### **1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

##### **Environmental precautions**

No special environmental precautions required.

##### **Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

##### **Reference to other sections**

For disposal see section 13.

#### **SECTION 7: Handling and storage**

##### **1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

##### **2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non Combustible Solids

### 3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

### 1 Control parameters

### 2 Exposure controls

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance level (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### 1 Information on basic physical and chemical properties

- |   |                                   |
|---|-----------------------------------|
| a) Appearance                                   | Form: Crystalline powder          |
| b) Odour  | No data available                 |
| c) Odour Threshold                              | No data available                 |
| d) pH   | 3.3 at 94.88 g/l                  |
| e) Melting point/freezing point                 | Melting point/range: 92 °C - lit. |
| f) Initial boiling point and boiling range      | No data available                 |
| g) Flash point                                  | Not applicable                    |
| h) Evaporation rate                             | No data available                 |
| i) Flammability (solid, gas)                    | No data available                 |
| j) Upper/lower flammability or explosive limits | No data available                 |
| k) Vapour pressure                              | No data available                 |
| l) Vapour density                               | No data available                 |
| m) Relative density                             | 1.757 g/mL at 25 °C               |
| n) Water solubility                             | soluble                           |
| o) Partition coefficient: n-octanol/water       | No data available                 |

- |    |                           |                   |
|----|---------------------------|-------------------|
| p) | Auto-ignition temperature | No data available |
| q) | Decomposition temperature | No data available |
| r) | Viscosity                 | No data available |
| s) | Explosive properties      | No data available |
| t) | Oxidizing properties      | No data available |

**Other safety information**  
No data available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No data available

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of hazardous reactions**

No data available

#### **.4 Conditions to avoid**

No data available

#### **.5 Incompatible materials**

Strong oxidizing agents, Bases, Steel (all types and surface treatments), Aluminum, Copper, Zinc

#### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Sulphur oxides, Potassium oxides, Aluminum oxide

Other decomposition products - No data available

In the event of fire: see section 5

## **SECTION 11: Toxicological information**

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

#### **Acute toxicity**

No data available(Aluminium potassium bis(sulphate))

#### **Skin corrosion/irritation**

No data available(Aluminium potassium bis(sulphate))

#### **Serious eye damage/eye irritation**

No data available(Aluminium potassium bis(sulphate))

#### **Respiratory or skin sensitisation**

No data available(Aluminium potassium bis(sulphate))

#### **Genotoxicity**

No data available(Aluminium potassium bis(sulphate))

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **Reproductive toxicity**

##### **Specific target organ toxicity - single exposure**

No data available(Aluminium potassium bis(sulphate))

##### **Specific target organ toxicity - repeated exposure**

No data available

#### **Aspiration hazard**

No data available(Aluminium potassium bis(sulphate))

**Additional Information**

RTECS: WS5690000

Gastrointestinal disturbance, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Aluminium potassium bis(sulphate))

**SECTION 12: Ec ological information****12.1 Toxic ity**

No data available

**Persistence and degradability**

No data available

**Bioac cumulative pote ntial**

No data available

**.4 Mobility in soil**

No data available(Aluminium potassium bis(sulphate))

**Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Cont am inate d packa ging**

Dispose of as unused product.

**SECTION 14: T ra nsport informa tion****14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

**U N proper shippi ng nam e ADR/RID:**

Not dangerous goodsIMDG:

Not dangerous goodsIATA:

Not dangerous goods

**.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**.4 Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special prec autions for user**

No data available

**SECTION 15: Re gula tory informa tion****Safety, hea lth and environm ental regulations/legisla tion spe cific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chem ical safety asse ssme nt**

For this product a chemical safety assessment was not carried out

## **SECTION 16: Other information**

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. 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. It does not represent any guarantee of the properties of the product. Qualikems Lifesciences Pvt. Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.qualikems.com](http://www.qualikems.com) for additional terms and conditions of sale