



# Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

Works : Plot No. 68-69,G.I.D.C Industrial Estate,Nandesari,Vadodara-391340 (Gujarat)

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

### Product identifiers

Product name : **Cesium Sulphate**

CAS-No. : 10294-54-9

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

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

### 3 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

Formula :  $Cs_2O_4S$

Molecular weight : 361.87 g/mol

CAS-No. : 10294-54-9

EC-No. : 233-662-6

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

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

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

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### **If inhaled**

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

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

Wash off with soap and plenty of water. Consult a physician.

#### **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. Consult a physician.

### **2 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

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

No data available

## **SECTION 5: Firefighting measures**

### **1 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**

Cesium/cesium oxides

### **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**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.

For personal protection see section 8.

#### **Environmental precautions**

Do not let product enter drains.

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

Pick up and arrange disposal without creating dust. 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**

Avoid formation of dust and aerosols.

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.  
 Hygroscopic.  
 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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 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

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

- |   |                                      |
|---|--------------------------------------|
| a) Appearance                                   | Form: powder<br>Colour: white        |
| b) Odour  | No data available                    |
| c) Odour Threshold                              | No data available                    |
| d) pH   | 6.0 - 7.5 at 723.7 g/l at 25 °C      |
| e) Melting point/freezing point                 | Melting point/range: 1,019 °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	4.243 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

#### **Conditions to avoid**

No data available

#### **Incompatible materials**

Strong oxidizing agents

#### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Cesium/cesium oxides

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**

LD50 Oral - Rat - 2,830 mg/kg(Caesium sulphate)

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

No data available(Caesium sulphate)

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

No data available(Caesium sulphate)

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

No data available(Caesium sulphate)

#### **Germ cell mutagenicity**

No data available(Caesium 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**

No data available(Caesium sulphate)

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

No data available(Caesium sulphate)

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

No data available

## **Aspiration hazard**

No data available(Caesium sulphate)

## **Additional Information**

RTECS: FL0800000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Caesium sulphate)

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available

#### **Persistence and degradability**

No data available

#### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available(Caesium 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. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

#### **Contaminated packaging**

Dispose of as unused product.

## SECTION 14: Transport information

### .1 UN number

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name** ADR/RID: Not  
dangerous goodsIMDG: Not  
dangerous goodsIATA: Not  
dangerous goods

### Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### Packaging group

ADR/RID: -

IMDG: -

IATA: -

### Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### Special precautions for user

No data available

## SECTION 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

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

### Chemical safety assessment

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.