



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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SECTION1:Identificationofthesubstance/mixtureandofthecompany/undertaking

Productidentifiers

Productname : **Barium Acetate**

CAS-No. : 543-80-6

Relevantidentifiedusesof thesubstanceormixtureandusesadvisedagainst

Identifieduses : Laboratorychemicals,Industrial&forprofessionaluseonly.

Detailsofthesupplierofthesafetydatasheet

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]

SECTION2:Hazardsidentification

Classificationofthesubstanceormixture

ClassificationaccordingtoRegulation(EC)No1272/2008

Acute toxicity, Oral (Category 4), H302

Acutetoxicity,Inhalation(Category4),H332

ForthefulltextoftheH-StatementsmentionedinthisSection,seeSection 16.

Label elements

LabellingaccordingRegulation(EC)No1272/2008

Pictogram



Signalword

Warning

Hazardstatement(s)

H302+H332

Harmfulifswallowedorinhaled

Precautionarystatement(s)

P261

P301+P312+P330

Avoid breathingdust/fume/gas/mist/vapours/spray.

IFSWALLOWED:Call aPOISONCENTER/doctorifyoufeelunwell.

Rinsemouth.
Supplemental Hazard Statements none

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

Substances

Formula : C4H6O4Ba
Molecular weight : 255.42g/mol
CAS-No. : 543-80-6
EC-No. : 208-849-0
Index-No. : 056-002-00-7

Hazardous ingredients according to Regulation (EC) No 1272/2008

| Component | | Classification | Concentration |
|---------------------------|--------------|----------------------|---------------|
| Barium di(acetate) | | | |
| CAS-No. | 543-80-6 | AcuteTox.4;H302,H332 | <=100% |
| EC-No. | 208-849-0 | | |
| Index-No. | 056-002-00-7 | | |

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

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.

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: Firefighting measures

Extinguishing media

Suitable extinguishing media

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

Special hazards arising from the substance or mixture

Carbon oxides, Barium oxide

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

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

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 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

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

Control parameters

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

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standardssuch 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

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95(US) or type P1 (EU EN 143) particler (US) or type ABEKP2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standardssuch as NIOSH(US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION9:Physicalandchemicalproperties

Informationonbasicphysicalandchemicalproperties

| | |
|---|----------------------------------|
| a) Appearance | Form:crystalline Colour:white |
| b) Odour | Nodataavailable |
| c) Odour Threshold | Nodataavailable |
| d) pH | 7.0-8.5at50g/lat25°C |
| e) Meltingpoint/freezing point | Nodataavailable |
| f) Initial boiling point and boilingrange | Nodataavailable |
| g) Flash point | Nodataavailable |
| h) Evaporationrate | Nodataavailable |
| i) Flammability(solid,gas) | Nodataavailable |
| j) Upper/lower flammabilityor explosivelimits | Nodataavailable |
| k) Vapourpressure | Nodataavailable |
| l) Vapour density | Nodataavailable |
| m) Relativedensity | 2.470g/cm ³ |
| n) Watersolubility | soluble |
| o) Partition coefficient: n-octanol/water | Nodataavailable |
| p) Auto-ignition temperature | Nodataavailable |
| q) Decomposition temperature | Nodataavailable |
| r) Viscosity | Nodataavailable |
| s) Explosiveproperties | Nodataavailable |
| t) Oxidizingproperties | Nodataavailable |

Othersafetyinformation

Nodataavailable

SECTION10:Stabilityandreactivity

Reactivity

Nodataavailable

Chemicalstability

Stableunderrecommendedstorageconditions.

Possibilityofhazardousreactions

Nodataavailable

Conditionstoavoid

Nodataavailable

Incompatiblematerials

Strongoxidizingagents,acids

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Barium oxide
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

LD50 Oral-Rat- 921 mg/kg (Barium di(acetate))

Skin corrosion/irritation

No data available (Barium di(acetate))

Serious eye damage/eye irritation

No data available (Barium di(acetate))

Respiratory or skin sensitisation

No data available (Barium di(acetate))

Germ cell mutagenicity

No data available (Barium di(acetate))

Carcinogenicity

This product is or contains a component that is not classifiable as to its classification. (Barium di(acetate))
(Barium di(acetate))

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 (Barium di(acetate))

Specific target organ toxicity - single exposure

No data available (Barium di(acetate))

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available (Barium di(acetate))

Additional information

RTECS: AF4550000

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

SECTION 12: Ecological information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available (Barium di(acetate))

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**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**UN number**

ADR/RID:-

IMDG:-

IATA:-

UN proper shipping name ADR/RID:

Not dangerous goods

IMDG: Not dangerous goods

IATA: 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/legislations specific for the substance or mixture**

This safety data sheet 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**Full text of H-Statements referred to under sections 2 and 3.**

H302 Harmful if swallowed.

H302 + H332 Harmful if swallowed or if inhaled

H332 Harmful if inhaled.

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 for additional terms and conditions of sale