



# 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 : **Ammonium Sulphide Soln**

### Relevantidentifiedusesofthesubstanceormixtureandusesadvisedagainst

Identifieduses : Laboratorychemicals,Industrial&forprofessionaluseonly.

### Detailsofthesupplierofthesafetydata 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]

## SECTION2:Hazardsidentification

### Classificationofthesubstanceormixture

#### ClassificationaccordingtoRegulation(EC)No1272/2008

Flammable liquids (Category 3), H226

Skin corrosion (Category 1B), H314

Acuteaquatictoxicity(Category1),H400

ForthefulltextoftheH-StatementsmentionedinthisSection,seeSection16.

### Labellements

#### LabellingaccordingRegulation(EC)No1272/2008

Pictogram



Signalword

Danger

Hazardstatement(s)

H226

H314

H400

Flammableliquidandvapour.

Causessevereskinburnsandeyedamage.

Verytoxictoaquaticlife.

Precautionary statement(s)	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378	In case of fire: Use dry powder or dry sand to extinguish.
Supplemental Hazard information (EU)	
EUH031	Contact with acids liberates toxic gas.

**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.  
 Contact with acids liberates toxic gas.  
 Stench.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

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

**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**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Do NOT induce vomiting. 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**  
Drypowder

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

Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

**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**

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not flush with water.

**Reference to other sections**

For disposal see section 13.

**SECTION 7: Handling and storage****Precautions for safe handling**

Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

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. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Do not store near acids.

Storage class (TRGS 510): Flammable liquids

**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**

Tightly fitting safety goggles. Face shield (8-inch minimum). 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

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

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

a) Appearance	Form: clear, liquid Colour: yellow
b) Odour	Stench.
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flashpoint	32°C-closed cup No
h) Evaporation rate	data available No
i) Flammability (solid, gas)	data available
j) Upper/lower flammability or explosive limits	Upper explosion limit: 46 % (V) Lower explosion limit: 4 % (V)
k) Vapour pressure	450 mmHg at 20°C
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
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

## SECTION10:Stabilityandreactivity

### Reactivity

Nodataavailable

### Chemicalstability

Stableunderrecommendedstorageconditions.

### Possibilityof hazardousreactions

Nodataavailable

### Conditionstoavoid

Heat,flamesandsparks.

### Incompatiblematerials

Strongoxidizingagents

### Hazardousdecompositionproducts

Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NOx), Sulphur oxides  
Other decomposition products - No data available  
Intheeventoffire:seesection5

## SECTION11:Toxicologicalinformation

### Informationontoxicologicaleffects Acute

#### toxicity

Nodataavailable

#### Skincorrosion/irritation

Nodataavailable

#### Seriouseyedamage/eyeirritation

Nodataavailable

#### Respiratoryorskinsensitisation

Nodataavailable

#### Germcellmutagenicity

Nodataavailable

#### 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.

#### Reproductivetoxicity

Nodataavailable

#### Specifictargetorgantoxicity-singleexposure

Nodataavailable

#### Specifictargetorgantoxicity-repeatedexposure

Nodataavailable

#### Aspirationhazard

Nodataavailable

#### AdditionalInformation

RTECS:Notavailable

Materialisextremelydestructivetotissueofthemucousmembranesandupperrespiratorytract,eyes,and skin.,spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonaryedema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea

## SECTION12:Ecologicalinformation

### Toxicity

Nodataavailable

### Persistence anddegradability

Nodataavailable

### Bioaccumulativepotential

Nodataavailable

### Mobilityinsoil

Nodataavailable

### ResultsofPBTandvPvBAssessment

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

### Otheradverseeffects

Verytoxictoaquaticlife.

## SECTION13:Disposalconsiderations

### Wastetreatmentmethods

#### Product

Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable. Offer surplus and non-recyclable solutionsto a licensed disposalcompany.

#### Contaminatedpackaging

Disposeofasunusedproduct.

## SECTION14:Transportinformation

### UNnumber

ADR/RID: 2683

IMDG:2683

IATA:2683

### UNprobershippingname

ADR/RID: AMMONIUMSULPHIDESOLUTION

IMDG: AMMONIUMSULPHIDESOLUTION

IATA: Ammoniumsulphidesolution

### Transport hazard class(es)

ADR/RID:8(3,6.1)

IMDG:8(3,6.1)

IATA:8(3,6.1)

### Packaginggroup

ADR/RID:II

IMDG:II

IATA:II

### Environmentalhazards

ADR/RID:no

IMDGMarinepollutant:no

IATA:no

### Specialprecautions foruser

Nodataavailable

## SECTION15:Regulatoryinformation

### Safety,healthandenvironmentalregulations/legislationspecificforthesubstanceormixture

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

### Chemical safetyassessment

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.

EUH031	Contact with acids liberates toxic gas.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.

### 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.