



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

POTASSIUM HYDROGEN SULPHATE MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product form : Substance
CAS-No. : 7646-93-7
Product code : 39052, 32623
Synonyms : Potassium bisulphate

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial
For professional use only
Use of the substance/mixture : Laboratory Reagent

1.2.2. Uses advised against

No additional information available

1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem
Plot No.1022, Modern Industrial Estate,
Bahadurgarh-124507, India
info@technopharmchem.com

1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]
Skin corrosion/irritation, Category 1, H314
Sub-Category 1B
Specific target organ toxicity – H335
Single exposure, Category 3,
Respiratory tract irritation

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May cause respiratory irritation. Causes skin burns and eye damage.



2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

| | | |
|--------------------------------|---|--|
| Signal word (CLP) | : | Danger |
| Hazard statements (CLP) | : | H314 - Causes skin burns and eye damage. H335 - May cause respiratory irritation. |
| Precautionary statements (CLP) | : | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water. |

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

| | | |
|--------|---|-----------------------------|
| Name | : | Potassium Hydrogen Sulphate |
| CAS No | : | 7646-93-7 |

Full text of R- and H-phrases: see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

| | | |
|---------------------------------------|---|--|
| First-aid measures general | : | Call a physician immediately. |
| First – aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor. Call a doctor if you feel unwell. |
| First-aid measures after skin contact | : | Immediately call a doctor. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. |
| First-aid measures after eye contact | : | Immediately call a doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : | Do NOT induce vomiting. Immediately call a doctor. Rinse mouth. Do not induce vomiting. Call a physician immediately. |

4.2. Most important symptoms and effects, both acute and delayed

| | | |
|-------------------------------------|---|--|
| Symptoms/effects | : | Causes severe skin burns and eye damage |
| Symptoms/injuries after inhalation | : | May cause respiratory irritation. |
| Symptoms/effects after skin contact | : | Burns. |
| Symptoms/effects after eye contact | : | Causes serious eye damage. Serious damage to eyes. |
| Symptoms/effects after ingestion | : | Burns. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

| | | |
|--------------------------------|---|--|
| Suitable extinguishing media | : | dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂). Water spray. Dry powder. Foam. |
| Unsuitable extinguishing media | : | Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | | |
|--|---|------------------------------|
| Fire hazard | : | No fire hazard. |
| Explosion hazard | : | No direct explosion hazard. |
| Hazardous decomposition products in case of fire | : | Toxic fumes may be released. |

5.3. Advice for firefighters

| | | |
|--------------------------------|---|---|
| Firefighting instructions | : | Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

| | | |
|------------------|---|---|
| General measures | : | Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|---|---|

6.1.1. For non-emergency personnel

| | | |
|----------------------|---|---|
| Protective equipment | : | Wear recommended personal protective equipment. |
| Emergency procedures | : | Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. |

6.1.2. For emergency responders

| | | |
|----------------------|---|--|
| Protective equipment | : | Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : | Stop release. Evacuate unnecessary personnel. |



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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | | |
|-------------------------|---|---|
| For containment | : | Using a clean shovel, put the material in a dry container and cover without compressing it. |
| Methods for cleaning up | : | Mechanically recover the product. Clean up immediately by sweeping or vacuum. |
| Other information | : | Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. Precaution for safe handling

| | | |
|-----------------------------------|---|---|
| Additional hazards when processed | : | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Precautions for safe handling | : | Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any compatibilities

| | | |
|---------------------|---|---|
| Technical measures | : | Comply with applicable regulations. |
| Storage conditions | : | Store in original container. Store in a dry place. Protect from moisture. Store locked up. Store in a well-ventilated place. Keep container tightly closed. |
| Packaging materials | : | Store always product in container of same material as original container. |

7.3. Specific end use (S)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

| | | |
|--------------------------|---|------------------------------------|
| Hand protection | : | protective gloves |
| Eye protection | : | Chemical goggles or safety glasses |
| Skin and body protection | : | Wear suitable protective clothing |
| Respiratory protection | : | Wear appropriate mask |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | | |
|--|---|--|
| Physical state | : | Solid |
| Colour | : | White |
| Appearance | : | Crystalline powder |
| Molecular mass | : | 136.16 g/mol |
| Odour | : | Odourless |
| Odour threshold | : | Not available |
| Melting Point | : | 197°C |
| Freezing point | : | Not applicable |
| Boiling point | : | 300 °C (Decomposes) |
| Flammability | : | Non flammable |
| Lower explosion limit | : | Not applicable |
| Upper explosion limit | : | Not applicable |
| Flash point | : | Not applicable |
| Auto-ignition temperature | : | Not applicable |
| Decomposition temperature | : | >195 °C |
| pH | : | Not available |
| pH solution | : | Not available |
| Viscosity, kinematic | : | Not applicable |
| Solubility | : | Water: 56 g/100ml - Freely soluble Ethanol: Insoluble |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapor pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 2.24 g/cm ³ |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | Not applicable |
| Particle size | : | Not available |

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

10.2. Chemical Stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture.



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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | | |
|-----------------------------------|---|-------------------------------------|
| Acute toxicity (oral) | : | Not classified |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |
| Skin corrosion/irritation | : | Causes skin burns |
| Serious eye damage/irritation | : | Assumed to cause serious eye damage |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified |
| Reproductive toxicity | : | Not classified |
| STOT-single exposure | : | May cause respiratory irritation. |
| STOT-repeated exposure | : | Not classified |
| Aspiration hazard | : | Not classified |
| Viscosity, kinematic | : | Not applicable |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

| | | |
|---|---|---|
| Ecology - general | : | Before neutralisation, the product may represent a danger to aquatic organisms. |
| Hazardous to the aquatic environment, short-term (acute) | : | Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : | Not classified |

12.2. Persistence and degradability

| POTASSIUM HYDROGEN SULPHATE (CAS No.7646-93-7) | |
|---|--------------------|
| Persistence and degradability | Rapidly degradable |

12.3. Bio accumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT AND vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

