

Section 1: Identification

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|----------------------------|--|
| Product Name | Hyoscyamine Sulfate USP Dihydrate |
| Commercial Name | Not available. |
| Product Use | Not available. |
| Restrictions On Use | Not available. |
| Product Code | 50-1831 |
| Company | PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760 |
| | In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300 |

Section 2: Hazard(s) Identification

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|----------------------------------|--|
| OSHA Haz Com: | Not available. |
| CFR 1910.1200 | |
| Signal Word | DANGER |
| Hazard Statement(s) | Fatal if swallowed. Fatal if inhaled. |
| Pictogram(s) or Symbol(s) |  |

Precautionary Statement(s):

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|-------------------|--|
| Prevention | Not available. |
| Response | Nervous system disorders. Exposure may produce an allergic reaction. Gastrointestinal disorders. Blurred vision. May produce irregular heart beat and nervous symptoms. Causes depression of the respiratory system. |
| Storage | Not available. |
| Disposal | Not available. |

Section 3: Composition/Information on Ingredients

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|--------------------------|---|
| Substance/Mixture | Substance |
| Components | Hyoscyamine Sulfate USP Dihydrate |
| % By Weight | 100 |
| CAS# | 6835-16-1 |
| Molecular Weight | 712.85 g/mole |
| Chemical Formula | (C17H23NO3)2.H2SO4.2H2O |
| Synonym(s) | alpha-(Hydroxymethyl)benzeneacetic acid 8-methyl-8-azabicyclo[3.2.1] oct-3-yl ester sulfate |

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|-----------------------------------|-----------|-------------|---------|-----------|
| Hyoscyamine Sulfate USP Dihydrate | 6835-16-1 | 100 | N/A | N/A |

Section 4: First-Aid Measures

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|-------------------------|---|
| Inhalation | Assure fresh air breathing. Rest. If you feel unwell, seek medical advice. |
| Skin Contact | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| Eye Contact | Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist. |
| Ingestion | Rinse mouth. If swallowed, seek medical advice immediately and show this container or label. |
| Symptoms/Effects | |
| Acute | Not available. |
| Delayed | Not available. |

Immediate Medical Attention

In case of reactions described in hazards identification or other severe, immediate or persisting symptoms seek medical advice and call the nearest poison centre. Show the label and this safety data sheet.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray. Carbon dioxide. Dry powder.

Unsuitable Extinguishing Media

Do not use a heavy water stream.

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Not available.

Section 6: Accidental Release Measures

General precautions : Remove ignition sources. Evacuate area. Personal precautions : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Clean up methods : To clean the floor and all objects contaminated by this material, use: Water. . . Avoid dust production. Ensure adequate ventilation.

Section 7: Handling and Storage

Personal protection : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing. Technical protective measures : Material should be handled in a laboratory, hood whenever possible. Handling : Handle in accordance with good industrial hygiene and safety procedures. Storage : HYOSCYAMINE SULPHATE CRS is not intended for long-term storage. Keep container tightly closed in a cool, well ventilated place. Storage - away from : All heat sources, including direct sunlight. Open flame. Sources of ignition. Sparks. Incompatible materials, see §9

Section 8: Exposure Controls/Personal Protection

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|-----------------------------|---|
| Exposure Limits | Not available. |
| Engineering Controls | Not available. |
| Personal Protection | - Respiratory protection : Wear approved mask. (P3) In case of insufficient ventilation, wear suitable respiratory equipment. - Hand protection : Wear suitable gloves resistant to chemical penetration. - Skin protection : Wear suitable protective clothing. - Eye protection : Chemical goggles or safety glasses. - Industrial hygiene : Provide local exhaust or general room ventilation. |

Section 9: Physical and Chemical Properties

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|--|--------------------|--|----------------|
| Appearance | White. Powder | | |
| Odor | Not available. | | |
| Odor Threshold | Not available. | | |
| Melting Point | Not available. | pH | Not available. |
| Freezing Point | Not available. | Vapor Pressure | Not available. |
| Boiling Point/Range | Not available. | Vapor Density | Not available. |
| Decomposition temperature | Not available. | Viscosity | Not available. |
| Partition Coefficient: n-octanol/water | Not available. | Evaporation Rate | Not available. |
| Flash Point | Not available. | Autoignition temperature | Not available. |
| Flammability | Not available. | Flammability or Explosive Limits: | |
| | | Lower | Not available. |
| | | Upper | Not available. |
| Solubility(ies) | Complete in water. | | |
| Other | Not available. | | |

Section 10: Stability and Reactivity

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|---|--|
| Reactivity | Stable under normal conditions. |
| Chemical Stability | Stable under normal conditions. |
| Hazardous Polymerization | Will not occur. |
| Conditions to Avoid | Light. |
| Incompatible Materials | Strong oxidizers |
| Hazardous Decomposition Products | Carbon monoxide. Carbon dioxide. Sulfur compounds. Nitrogen oxides. When heated to decomposition, emits dangerous fumes. |

Section 11: Toxicological Information

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|--------------|-----------|
| RTECS | YM6107000 |
|--------------|-----------|

Acute Toxicity

Nervous system disorders. Gastrointestinal disorders. Blurred vision. May produce regular heart beat and nervous symptoms. Causes depression of the respiratory system.

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

May cause a sensitization

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Eye contact. Inhalation. Ingestion.

Symptoms Related to Exposure

Nervous system disorders. Gastrointestinal disorders. Blurred vision. May produce regular heart beat and nervous symptoms. Causes depression of the respiratory system.

Potential Health Effects

Not available.

Target Organ(s) Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available.

Persistance and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Land transport - Proper shipping name : ALKALOIDS, SOLID, N.O.S. / ALKALOID SALTS, SOLID, N.O.S. (Hyoscyamine sulphate)
- UN No.: 1544 - ADR Class : 6.1 - ADR Packing group : II - Labelling ADR Air transport - Proper shipping name :
ALKALOID'S, SOLID, N.O.S. / ALKALOID SALTS, SOLID, N.O.S. (Hyoscyamine sulphate) - UN No. : 1544 - IATA - Class or
division : 6.1 - IATA Packing group : II

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information

While the information herein is believed to be reliable, it is furnished without warranty of any kind. It shall be used only as a guide. We assume no liabilities from the use of this product or information contained herein.