# SAFETY DATA SHEET

## Mescaline (hydrochloride) (exempt preparation)

### Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

<table>
<thead>
<tr>
<th>1.1</th>
<th>Product Code:</th>
<th>15680</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Product Name:</td>
<td>Mescaline (hydrochloride) (exempt preparation)</td>
</tr>
<tr>
<td></td>
<td>Synonyms:</td>
<td>3,4,5-trimethoxy-benzeneethanamine, monohydrochloride; NSC 30419; TMPEA;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2</th>
<th>Relevant identified uses of the substance or mixture and uses advised against:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Relevant identified uses: For research use only, not for human or veterinary use.</td>
</tr>
</tbody>
</table>

### Section 2. Hazards Identification

#### 2.1 Classification of the Substance or Mixture:

- **Flammable Liquids, Category 2**
- **Acute Toxicity: Inhalation, Category 3**
- **Acute Toxicity: Oral, Category 3**
- **Acute Toxicity: Skin, Category 3**
- **Specific Target Organ Toxicity (single exposure), Category 1**

#### 2.2 Label Elements:

- **GHS Signal Word:** Danger
- **GHS Hazard Phrases:**
  - H225: Highly flammable liquid and vapor.  
  - H301: Toxic if swallowed.  
  - H311: Toxic in contact with skin.  
  - H331: Toxic if inhaled.  
  - H370: Causes damage to organs (eyes).

- **GHS Precaution Phrases:**
  - P210: Keep away from (heat/sparks/open flames/hot surfaces). - No smoking.  
  - P260: Do not breathe (dust/fume/gas/mist/vapors/spray).  
  - P264: Wash (hands) thoroughly after handling.  
  - P280: Wear (protective gloves/protective clothing/eye protection/face protection).  

- **GHS Response Phrases:**
  - P301+310: IF SWALLOWED: Immediately P311: Call a POISON CENTER or doctor/physician.  
  - P302+352: IF ON SKIN: Wash with plenty of soap and water.  
  - P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
  - P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
  - P308+311: If exposed of concerned: Call a (POISON CENTER/Doctor/...).
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Mescaline (hydrochloride) (exempt preparation)

P321: Specific treatment (see ... on this label).
P330: Rinse mouth.
P361+364: Take off immediately all contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases:
Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.3 Adverse Human Health

Causes damage to organs {eyes}.

Effects and Symptoms:
Material may be irritating to the mucous membranes and upper respiratory tract.
May be fatal or cause blindness if swallowed.
May cause eye, skin, or respiratory system irritation.
Toxic if swallowed, inhaled, or absorbed through the skin.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS # / RTECS #</th>
<th>Hazardous Components (Chemical Name)/ REACH Registration No.</th>
<th>Concentration</th>
<th>EC No./ EC Index No.</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>832-92-8 SI2800000</td>
<td>Mescaline (hydrochloride)</td>
<td>0.1 %</td>
<td>212-626-3 NA</td>
<td>Acute Tox.(O) 4: H302</td>
</tr>
<tr>
<td>67-56-1 PC1400000</td>
<td>Methanol 01-2119392409-28</td>
<td>99.9 %</td>
<td>200-659-6 603-001-00-X</td>
<td>Flamm. Liq. 2: H225 Acute Tox.(O) 3: H301 Acute Tox(D) 3: H311 Acute Tox.(I) 3: H331 STOT (SE) 1: H370</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

4.1 Description of First Aid Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2 Important Symptoms and Effects, Both Acute and Delayed:
Overexposure may cause: confusion, dermatitis, headache, drowsiness, dizziness, gastrointestinal disturbance, optic nerve damage (blindness), nausea, unconsciousness, vomiting, visual disturbance, weakness.
May cause convulsions.
Once methanol is absorbed into the body, it is very slowly eliminated.
Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

Unsuitable Extinguishing Media: Use water spray to cool fire-exposed containers.

5.2 Flammable Properties and Hazards: Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.

Flash Pt: 11.00 °C  Method Used: Closed Cup

Explosive Limits:
LEL: 6.0% at 25.0 °C  UEL: 36.0% at 25.0 °C

Autoignition Pt: 385.00 °C

5.3 Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

No data available.

Section 6. Accidental Release Measures

6.1 Protective Precautions, Protective Equipment and Emergency Procedures:

Environmental Precautions: Take steps to avoid release into the environment, if safe to do so.

Methods and Material For Containment and Cleaning:

Transfer to a chemical waste container for disposal in accordance with local regulations.

Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling:

Avoid breathing vapors and provide adequate ventilation.

Avoid prolonged or repeated exposure.

Keep away from sources of ignition.

Take precautionary measures against static discharge.

7.2 Precautions To Be Taken in Storing:

Keep away from heat, sparks, and flame.

Keep container tightly closed.

Store in accordance with information listed on the product insert.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Chemical Name</th>
<th>Jurisdiction</th>
<th>Recommended Exposure Limits</th>
<th>Notations</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>Methanol</td>
<td>ACGIH TLV</td>
<td>TLV: 200 ppm  STEL: 250 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Europe</td>
<td>TWA: 260 mg/m3 (200 ppm)</td>
<td>Skin Absorption</td>
</tr>
<tr>
<td></td>
<td></td>
<td>France VL</td>
<td>TWA: 260 mg/m3 (200 ppm)  STEL: 1300 mg/m3 (1000 ppm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PELs</td>
<td>PEL: 200 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Britain EH40</td>
<td>TWA: 266 mg/m3 (200 ppm)  STEL: 333 mg/m3 (250 ppm)</td>
<td>Skin Absorption</td>
</tr>
</tbody>
</table>
8.2 Exposure Controls:

8.2.1 Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

8.2.2 Personal protective equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing: Lab coat

Respiratory Equipment: NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenance Practices:

- Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.
- Wash thoroughly after handling.
- Do not take internally.
- No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

- **Physical States:** [ ] Gas [ ] Liquid [ ] Solid
- **Appearance and Odor:** A solution in methanol
- **pH:** No data.
- **Melting Point:** No data.
- **Boiling Point:** No data.
- **Flash Pt:** 11.00 C Method Used: Closed Cup
- **Evaporation Rate:** No data.
- **Flammability (solid, gas):** No data available.
- **Explosive Limits:** LEL: 6.0% at 25.0 C UEL: 36.0% at 25.0 C
- **Vapor Pressure (vs. Air or mm Hg):** 96 MM_HG at 20.0 C
- **Vapor Density (vs. Air = 1):** No data.
- **Specific Gravity (Water = 1):** No data.
- **Solubility in Water:** No data.
- **Octanol/Water Partition Coefficient:** No data.
- **Decomposition Temperature:** No data.
- **Autoignition Pt:** 385.00 C
- **Viscosity:** No data.

9.2 Other Information

- **Percent Volatile:** No data.
- **Molecular Formula & Weight:** C11H17NO3 • HCl 247.7
Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [ ] Stable [ X ]

10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert.

10.4 Conditions To Avoid: heat, flames, and sparks

10.5 Incompatibility - Materials acids

To Avoid: acid anhydrides
acid chlorides
alkali metals
oxidizing agents
reducing agents

10.6 Hazardous Decomposition or carbon dioxide
Byproducts: carbon monoxide

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.

Methanol - Toxicity Data: Oral LD50 (rat): 5,600 mg/kg; Oral LD50 (rabbit): 14,200 mg/kg; Inhalation LC50 (rat): 64,000 ppm (4h); Inhalation LC50 (mouse): 61,100 ppm (134 m); Skin LD50 (rabbit): 15,800 mg/kg; Oral LDLO (human): 143 mg/kg;

Methanol - Irritation Data: Skin (rabbit): 20 mg (24h) moderate; Eyes (rabbit): 40 mg moderate;

Eyes (rabbit): 100 mg (24h) moderate;

Mescaline (hydrochloride) - Toxicity Data: Oral LD50 (mouse): 800 mg/kg; Intraperitoneal LD50 (rat): 132 mg/kg; Subcutaneous LDLO (rat): 320 mg/kg; Intraperitoneal LD50 (mouse): 212 mg/kg;

Mescaline (hydrochloride) - Investigated as a drug, mutagen, primary irritant, reproductive effector, and tumorigen.

Chronic Toxicological Effects: Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Methanol RTECS Number: PC1400000

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>832-92-8</td>
<td>Mescaline (hydrochloride)</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>67-56-1</td>
<td>Methanol</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

Section 12. Ecological Information

12.1 Toxicity: Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB assessment: No data available.

12.6 Other adverse effects: No data available.
Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Methanol Solution
DOT Hazard Class: 3 (6.1) FLAMMABLE LIQUID, POISON
UN/NA Number: UN1230 Packing Group: II

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Methanol Solution
UN Number: 1230 Packing Group: II
Hazard Class: 3 (6.1) - FLAMMABLE LIQUID, POISON

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Methanol Solution
UN Number: 1230 Packing Group: II
Hazard Class: 3 (6.1) - FLAMMABLE LIQUID, POISON
IATA Classification: 3, 6.1

Additional Transport Information:
Transport in accordance with local, state, and federal regulations.
When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>S. 302 (EHS)</th>
<th>S. 304 RQ</th>
<th>S. 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>832-92-8</td>
<td>Mescaline (hydrochloride)</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>67-56-1</td>
<td>Methanol</td>
<td>No</td>
<td>Yes 5000 LB</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Other US EPA or State Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>832-92-8</td>
<td>Mescaline (hydrochloride)</td>
<td>CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No</td>
</tr>
<tr>
<td>67-56-1</td>
<td>Methanol</td>
<td>CAA HAP, ODC: HAP: VHAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: Yes: RDTox.</td>
</tr>
</tbody>
</table>
Regulatory Information
Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.

<table>
<thead>
<tr>
<th>Section 16. Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date:</td>
</tr>
<tr>
<td>Additional Information About</td>
</tr>
<tr>
<td>This Product:</td>
</tr>
</tbody>
</table>

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