# 1. Identification

<table>
<thead>
<tr>
<th>Product Code</th>
<th>90419,90420</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Name</td>
<td>Advent Chembio Private Limited</td>
</tr>
<tr>
<td>Address</td>
<td>W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:info@adventchembio.com">info@adventchembio.com</a></td>
</tr>
<tr>
<td>WEBSITE</td>
<td><a href="http://www.adventchembio.com">www.adventchembio.com</a></td>
</tr>
<tr>
<td>Company Phone Number</td>
<td>022-27690837</td>
</tr>
</tbody>
</table>

# 2. Hazards Identification

## Hazard classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, Oral</td>
<td>Category 3</td>
</tr>
<tr>
<td>Acute toxicity, Inhalation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Acute toxicity, Dermal</td>
<td>Category 3</td>
</tr>
<tr>
<td>Skin corrosion</td>
<td>Category 1 B</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1 B</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

## Labels elements

- Hazard symbol

## Signal word

- Danger

## Hazard statement

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye damage.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause respiratory irritation.
- Very toxic to aquatic life with long lasting effects.

## Precautionary statement

- Avoid breathing vapours.
- Avoid release to the environment.
- Wear protective gloves/ eye protection/ face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If experiencing respiratory symptoms: Call a POISON
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Hydrazinium hydroxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.</td>
<td>10217-52-4</td>
</tr>
<tr>
<td>Percent</td>
<td>NA</td>
</tr>
<tr>
<td>Formula</td>
<td>H₆N₂O</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>32.05 g/mol</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Description of first aid measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact : Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Swallowed : Get medical advice/attention if you feel unwell. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

Treatment : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

5. Fire fighting 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 : Nature of decomposition products not known.
Advice for firefighters: Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
- Environmental precautions: Do not let product enter drains.
- Methods and materials for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and storage

- Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
- 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.

8. Exposure Controls / Personal Protection

- Exposure limit: No data available
- 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:
  - Respiratory protection: Dust respirator. Follow local and national regulations
  - Hand protection: Protective gloves.
  - Eye protection: Safety glasses. A face-shield, if the situation requires.
  - Skin and Body Protection: Protective clothing. Protective boots, if the situation requires.

9. Physical and Chemical Properties

- Appearance: A clear, colourless liquid with a strong ammonical odour.
- Odor: No data available
- pH: 10.6 - 10.7 at 10 g/l
- Melting point/freezing point: -51.7 °C - lit.
- Initial boiling point and boiling range: 120.1 °C - lit.
- Flash Point: 74 °C
- Vapor pressure: 5 mmHg at 25 °C
- Vapor density: No data available
Product Name: HYDRAZINE HYDRATE  
CAS No.: 10217-52-4  
Version: 0

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : Heat, flames and sparks.
Incompatible materials : Oxidizing agents, Oxygen, Copper, Organic materials, Zinc
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

11. Toxicological Information

Information on toxicological effects

Acute toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity
IARC : No data available
NTP : No data available
OSHA : No data available

Reproductive toxicity : No data available
Route of Exposure : No data available
Signs and Symptoms of Exposure : No data available

12. Ecological Information

Toxicity : No data available
Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available.
Other adverse effects : Very toxic to aquatic life with long lasting effects.

13. Disposal consideration

Disposal instructions : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Dispose of as unused product.

14. Transport Information

<table>
<thead>
<tr>
<th>DOT</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. 2030</td>
<td>UN proper shipping name HYDRAZINE, AQUEOUS SOLUTION</td>
<td>Hazard Class(es) 8 (6.1)</td>
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<tr>
<td></td>
<td></td>
<td>Packaging group II</td>
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<tr>
<td></td>
<td></td>
<td>Marine Pollutant NO</td>
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</table>

15. Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture No Data Available.

16. Other Information

Issue Date: 01/06/2014
Version: 0

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