

MATERIAL SAFETY DATA SHEET**Product Name:** Hydriodic acid, 57 wt% in H₂O**CAS No.:** 10034-85-2 **Version:** 0**1. Identification**

Product Code : 91827
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Hazards Identification**Hazard classification**

Skin corrosion : Category 1A
Specific target organ toxicity - single exposure : Category 3

Label elements**Hazard symbol**

Signal word : Danger

Hazard statement : Causes severe skin burns and eye damage.
May cause respiratory irritation.

Precautionary statement : Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements : None

3. Composition/information on ingredients

| Ingredient | CAS No | Percent |
|--|------------|------------|
| Hydriodic acid, 57 wt% in H ₂ O | 10034-85-2 | NLT- 57.0% |

MATERIAL SAFETY DATA SHEET**Product Name:** Hydriodic acid, 57 wt% in H₂O**CAS No.:** 10034-85-2 **Version:** 0**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** : If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- Skin contact** : Wash off with soap and plenty of water.
- Eye contact** : Flush eyes with water as a precaution.
- Swallowed** : Never give anything by mouth to an unconscious person. Rinse mouth with water.
- Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
- Indication of any immediate medical attention and special treatment needed Treatment** : No data available

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** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary
- Further information** : No data available

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.
- Reference to other sections** : For disposal see section 13.

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- Precautions for safe handling** : 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.
Recommended storage temperature 2 - 8 °C
Air and light sensitive.
Non-combustible, corrosive hazardous materials
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace 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. Faceshield (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 Hand 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, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : Respiratory protection is required.

9. Physical and Chemical Properties

- Appearance** : Light yellow liquid
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : No data available
- Initial boiling point and boiling** : 127 °C

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| | | |
|----------------------------|---|-------------------|
| Flash Point | : | No data available |
| Vapor pressure | : | No data available |
| Vapor density | : | No data available |
| Relative density | : | No data available |
| Solubility in water | : | No data available |
| Solubility (other) | : | No data available |
| Formula | : | HI |
| Molecular Weight | : | 127.91 g/mol |

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. Exposure to moisture. |
| Incompatible materials | : | Metals, Water, Organic materials, Alcohol, Magnesium, Potassium, Perchloric acid |
| Hazardous decomposition products | : | No data available |

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 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. |
| Reproductive toxicity | : | No data available |
| Specific target organ toxicity - single exposure | : | No data available. |
| Specific target organ toxicity - repeated exposure | : | No data available |
| Aspiration hazard | : | No data available |
| Potential health effects | : | |

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Inhalation : No data available
Ingestion : No data available
Skin : No data available
Eyes : No data available
Signs and Symptoms of Exposure : Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.,
Prolonged exposure to iodides may produce iodism in sensitive individuals. Symptoms of exposure include: skin rash, running nose, headache and irritation of the mucous membrane. For severe cases the skin may show pimples, boils, hives, blisters and black and blue spots. Iodides are readily diffused across the placenta. Neonatal deaths from respiratory distress secondary to goiter have been reported. Iodides have been known to cause drug-induced fevers, which are usually of short duration.

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 : No data available

13. Disposal consideration

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated packaging : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

| | UN No. | UN proper shipping name | Hazard Class(es) | Packaging group | Marine Pollutant |
|--|--------|-------------------------|------------------|-----------------|------------------|
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|-------------|------|----------------|---|----|----|
| DOT | 1787 | HYDRIODIC ACID | 8 | II | No |
| IMDG | 1787 | HYDRIODIC ACID | 8 | II | No |
| IATA | 1787 | HYDRIODIC ACID | 8 | II | No |

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 :01/08/2014****Version : 0**

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