

**MATERIAL SAFETY DATA SHEET****Product Name:** 1-Bromopropane**CAS No.:** 106-94-5**Version:** 0**1. Identification**

**Product Code** : 91961  
**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](mailto:info@adventchembio.com)  
**WEBSITE** : [www.adventchembio.com](http://www.adventchembio.com)  
**Company Phone Number** : 022-27690837

**2. Hazards Identification****Hazard classification**

Flammable liquids : Category 2  
Skin irritation : Category 2  
Eye irritation : Category 2  
Carcinogenicity : Category 2  
Reproductive toxicity : Category 1 B  
Specific target organ toxicity - single exposure : Category 3  
Specific target organ toxicity - repeated exposure : Category 3  
Chronic aquatic toxicity : Category 3

**Labels elements**

Hazard symbol

**Signal word**

: Danger

**Hazard statement**

: Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Suspected of causing cancer.  
May damage fertility. May damage the unborn child.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.  
Harms public health and the environment by destroying ozone

**MATERIAL SAFETY DATA SHEET****Product Name:** 1-Bromopropane**CAS No.:** 106-94-5**Version:** 0

- Precautionary statement** : in the upper atmosphere.  
: Obtain special instructions before use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF exposed or concerned: Get medical advice/ attention.  
In case of fire: Use dry powder or dry sand to extinguish.  
Store in a well-ventilated place. Keep cool.
- Supplemental Hazard Statements** : None

**3. Composition/information on ingredients**

- Ingredient** : Propyl bromide  
**CAS No.** : 106-94-5  
**Percent** : NLT 99.0%  
**Formula** : C<sub>3</sub>H<sub>7</sub>Br  
**Molecular Weight** : 122.99 g/mol

**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. Consult a physician.
- Skin contact** : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
- Eye contact** : Flush eyes with water as a precaution.
- Swallowed** : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- 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** : No data available  
**Treatment**

**MATERIAL SAFETY DATA SHEET**

Product Name: 1-Bromopropane

CAS No.: 106-94-5

Version: 0

**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** : Carbon oxides, Hydrogen bromide gas

**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. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up** : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). 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.  
Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

**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 : Air-purifying respirators

**MATERIAL SAFETY DATA SHEET****Product Name:** 1-Bromopropane**CAS No.:** 106-94-5**Version:** 0

Hand protection : Handle with gloves  
Eye protection : Face shield and safety glasses  
Skin and Body Protection : Complete suit protecting against chemicals

**9. Physical and Chemical Properties**

**Appearance** : Clear, colorless Liquid  
**Odor** : No data available  
**pH** : No data available  
**Melting point/freezing point** : -110 °C - lit.  
**Initial boiling point and boiling range** : 71 °C - lit.  
**Flash Point** : 22 °C - closed cup  
**Vapor pressure** : No data available  
**Vapor density** : 4.25 - (Air = 1.0)  
**Relative density** : 1.354 g/cm<sup>3</sup> at 25 °C  
**Solubility in water** : No data available  
**Solubility (other)** : No data available

**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** : Strong oxidizing agents, Strong bases  
**Hazardous decomposition products** : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen bromide gas

**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

**MATERIAL SAFETY DATA SHEET****Product Name:** 1-Bromopropane**CAS No.:** 106-94-5**Version:** 0**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** : 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**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	2344	BROMOPROPANES	3	II	No
<b>IMDG</b>	2344	BROMOPROPANES	3	II	No
<b>IATA</b>	2344	BROMOPROPANES	3	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.

**MATERIAL SAFETY DATA SHEET****Product Name:** 1-Bromopropane**CAS No.:** 106-94-5**Version:** 0**16. Other Information****Issue Date :**01/06/2015**Version : 0**

**Disclaimer:** This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).