

MATERIAL SAFETY DATA SHEET**Product Name:** Propionic acid**CAS No.:** 79-09-4**Version:** 0**1. Identification**

Product Code : 93067, 91157
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**

Flammable liquids : Category 3
Skin corrosion : Category 1 B
Specific target organ toxicity - single exposure : Category 3

Labels elements

Hazard symbol

**Signal word****Hazard statement****Precautionary statement****Supplemental Hazard Statements**

: Danger
: Flammable liquid and vapour.
Harmful if swallowed.
Causes severe skin burns and eye damage.
: 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
: None

3. Composition/information on ingredients

MATERIAL SAFETY DATA SHEET**Product Name:** Propionic acid**CAS No.:** 79-09-4**Version:** 0

Ingredient : Propanoic acid
Propanyl acid
Acid C3

CAS No. : 79-09-4

Percent : 99.5-100.5%

Formula : C3H6O2

Molecular Weight : 74.08g/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

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

Advice for firefighters : Wear self contained breathing apparatus for firefighting if necessary.

MATERIAL SAFETY DATA SHEET**Product Name:** Propionic acid**CAS No.:** 79-09-4**Version:** 0**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).

7. Handling and storage

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
- 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
- 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** : A clear, colourless liquid.
- Odor** : No data available
- pH** : 2.5 at 100 g/l at 20 °C
- Melting point/freezing point** : -24 °C - lit.
- Initial boiling point and boiling range** : 141 °C - lit.
- Flash Point** : 54 °C - closed cup

MATERIAL SAFETY DATA SHEET**Product Name:** Propionic acid**CAS No.:** 79-09-4**Version:** 0

Vapor pressure : 2.4 mmHg at 20 °C
Vapor density : No data available
Relative density : 0.993 g/mL 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
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Carbon oxides

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

MATERIAL SAFETY DATA SHEET**Product Name:** Propionic acid**CAS No.:** 79-09-4**Version:** 0

Bioaccumulative potential : No data available
Mobility in soil : No data available.
Other adverse effects : No data available.

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
DOT	2511	PROPIONIC ACID	8 (3)	II	No
IMDG	2511	PROPIONIC ACID	8 (3)	II	No
IATA	2511	PROPIONIC ACID	8 (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.

16. Other Information**Issue Date** :14/12/2016**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

MATERIAL SAFETY DATA SHEET**Product Name:** Propionic acid**CAS No.:** 79-09-4**Version:** 0

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).