



Corporate Office Address

Suite # 205, Sigma Prime, Second Floor Nr. Sardar Patel Statue
Vallabh Vidyanagar, Dist. Anand - 388 121 Gujarat, India.
Tele/ Fax : ++91-2692-238849 , 238850
Email: info@infiniumpharmachem.com infinium_11@yahoo.com
Web : www.infiniumpharmachem.com
R.O. & Factory Address:-
Plot No.38 - 39 GIDC Sojitra - 387240 Dist. Anand
Gujarat - India Tel / Fax : ++91-2697- 234987

MATERIAL SAFETY DATA SHEET

BUTYL IODIDE

1.1 Product Identifiers:

Product Name : Butyl Iodide
Product Codes : XXXX
CAS No : 542-69-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Supplier: Infinium Pharmachem Pvt. Ltd.(AN ISO 9001:2008 CERTIFIED CO.)
38, G.I.D.C, Sojitra
Dist: Anand
Gujarat, India
Tel : 0091-2697-234987
Fax : 0091-2697-234987
Email : info@infiniumpharmachem.com

Synonyms : 1- iodobutane; 1-Iodobutano
CAS No : 542-69-8
Molecular Weight : 184.02



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Chemical Formula : $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{I}$

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flammable liquids (Category 3), H226

Acute toxicity, Inhalation (Category 3), H331

For the full text of the H-Statements mentioned in this Section, see Section 15.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R10

Xn Harmful

R20

For the full text of the R-phrases mentioned in this Section, see Section 15.

3.2 Label elements

Labeling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statement(s)

H226

Flammable liquid and vapour.

H331

Toxic if inhaled.

Precautionary statement(s)

P261

Avoid breathing vapours.

P311

Call a POISON CENTER or doctor/ physician.

Supplemental Hazard none Statements

According to European Directive 67/548/EEC as amended.

Hazard symbol(s) Xn Harmful





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R-phrases

- R10 Flammable.
R20 Harmful by inhalation.

S-phrases none

3.3 Other hazards - none

4.1 Description of first aid measures

EYE

- Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

SKIN

- Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

INGESTION

- Get medical aid. Wash mouth out with water.

INHALATION

- Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

4.2 Most Important symptoms & efforts, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section no 3.3) or section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5.1 General Information



As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Flammable liquid and vapor.

5.2 Extinguishing Media

Use foam, dry chemical, or carbon dioxide.

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. 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. For personal protection see section 8.

6.2 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.

6.3 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).

6.4 Reference to other sections

For disposal see section 13

7.1 Precautions for safe handling

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, alkalis.

7.2 Conditions for safe Storage, including any incompatibilities

Light Sensitive. Store in light-resistant container. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until



ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 23°C (73.4°F)

8.1 Control parameters

Components with workplace control Parameters.

8.2 Exposure Controls:

Chemical Name	ACGIH	NIOSH	OSHA-Final PELs
1-Iodobutane	None listed	None listed	None listed

Engineering Controls:

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

- Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

- Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

- Not available

9.1 Information on Basic physical & chemical properties

Physical state and appearance	:	Liquid.
Odor	:	Not available.
Taste	:	Not available.
Molecular Weight	:	184.03 g/mole
Color	:	Colorless.
pH (1% soln/water)	:	Not applicable.
Boiling Point	:	130.5°C (266.9°F)
Melting Point	:	-103°C (-153.4°F)
Critical Temperature	:	Not available.
Specific Gravity	:	1.67 (Water = 1)



An ISO 9001 : 2008 Certified Manufacturing Co.

**Infinium
Pharmachem
Pvt. Ltd.**

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Vapor Pressure	:	Not available.
Vapor Density	:	Not available.
Volatility	:	Not available.
Odor Threshold	:	Not available.
Water/Oil Dist. Coeff	:	Not available.
Ionicity (in Water)	:	Not available.
Dispersion Properties	:	Not available
Solubility	:	Insoluble in cold water, hot water.

9.2 Other safety Information

No data available

10.1 Chemical Stability:

- Stable under normal temperatures and pressures. May discolor on exposure to light.

10.2 Conditions to Avoid:

- Light, ignition sources, excess heat.

10.3 Incompatibilities with Other Materials

- Strong oxidizing agents, strong bases.

10.4 Hazardous Decomposition Products

- Carbon monoxide, carbon dioxide, hydrogen iodide, iodine.

10.5 Hazardous Polymerization

- Will not occur.

11.1. Information on toxicological effects

RTECS#: EK4400000CAS# 542-69-8:

LD50/LC50: Inhalation, rat: LC50 = 6100 mg/m³/4H

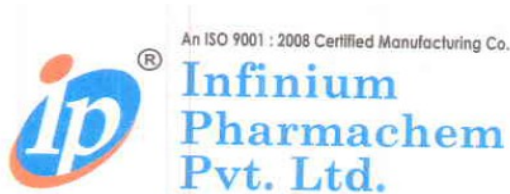
Chronic Effects on Humans:

- Not available.

Other Toxic Effects on Humans:

- Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant).

Special Remarks on Toxicity to Animals:



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- Not available.

Special Remarks on Chronic Effects on Humans:

- Not available.

Special Remarks on other Toxic Effects on Humans:

- Acute Potential Health Effects: Skin: May cause skin irritation. Eye: May cause eye irritation. Ingestion: May cause irritation of the digestive tract. The toxicological properties of the substance have not been fully investigated. Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May be harmful if inhaled. May cause tumorigenic effects (tumors) of the thorax or respiratory tract (lungs) based on animal data.

Chronic Potential Health Effects:

- No information found.

12.1 Ecotoxicity:

- Not available.

12.2 BOD5 and COD:

- Not available

12.3 Products of Biodegradation:

- Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

12.4 Toxicity of the Products of Biodegradation:

- The products of degradation are less toxic than the product itself.

12.5 Special Remarks on the Products of Biodegradation:

- Not available

13.1 Waste treatment methods

Product

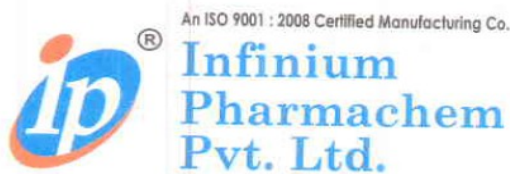
- Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.
- Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

- Dispose of as unused product.

DOT Classification: CLASS 3: Flammable liquid.

Identification: Flammable Liquid, n.o.s. (1-Iodobutane) UNNA: 1993 PG: III



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Special Provisions for Transport: Not available.

15.1 Federal and State Regulations:

TSCA 8(b) inventory: 1-Iodobutane

15.2 Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

- R10- Flammable.
R20- Harmful by inhalation.
R36/37/38- Irritating to eyes, respiratory system and skin.
- S9- Keep container in a well-ventilated place.
S16- Keep away from sources of ignition - No smoking.
S29- Do not empty into drains.

MSDS Creation Date: 01-01-2015

Revision #1 Date: 31-12-2017

Disclaimer:

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