



An ISO 9001 : 2008 Certified Manufacturing Co.

**Infinium
Pharmachem
Pvt. Ltd.**

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

IODOFORM

1.1 Product Identifiers:

Product Name: Iodoform
Product Codes: 9305
CAS No : 75-47-8

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: Triiodomethane; Carbon Triiodide; Iodoformo; Iodoforme

CAS No.: 75-47-8

Molecular Weight: 393.73

Chemical Formula:CHI₃



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3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332

Acute toxicity, Dermal (Category 4), H312

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity -single exposure (Category 3), H335

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

Xn Harmful R20/21/22, R36/37/38

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

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust.

P280 Wear protective gloves/ protective clothing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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Supplemental Hazard Statements none

4.1 Description of first aid measures

Eye Contact:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:

Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion:

Not available.

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



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No data available.

5.1 Extinguishing Media

- Not Flammable. Select extinguishing agent appropriate to other materials involved.

5.2 Unusual Fire and Explosion Hazards

- This product may give rise to hazardous fumes in a fire.

5.3 Protective Equipment for Fire-Fighting

- Wear full protective clothing and self-contained breathing apparatus.

6.1 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.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 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.

6.4 Reference to other sections

For disposal see section 13.

7.1 Precautions for safe handling

Do not ingest. Do not breathe dust. 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



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Keep container tightly closed. Keep container in a cool, well-ventilated area.

8.1 Harmful substances, occupational exposure limit values to be controlled

Not specified

Provide ventilation, locally.

8.2 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 Protection

Respiratory protection:

Required –protective mask.

Eyes protection:

Required -when using the product wear eye or face protection such as protective dental visor.

Skin protection:

Required-when using the product wear protective gloves and suitable protective clothing- apron.

Other information:

When applying the product to avoid exposure of eyes and skin, do not eat, drink and smoke.

9.1 Information on Basic physical & chemical properties

Physical state and appearance	:	Solid. (Crystalline solid. Powdered solid.)
Odor	:	Characteristic. Disagreeable.
Taste	:	Not available.
Molecular Weight	:	393.73 g/mole
Color:		Yellow.
pH (1% soln/water)	:	Not available.
Boiling Point	:	218°C (424.4°F)
Melting Point	:	119°C (246.2°F)
Critical Temperature	:	Not available.
Specific Gravity	:	4.008 (Water = 1)
Vapor Pressure	:	Not applicable.
Vapor Density	:	13.6 (Air = 1)
Volatility	:	Not available.
Odor Threshold	:	Not available.
Water/Oil Dist. Coeff.	:	Not available.
Ionicity (in Water)	:	Not available.



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Dispersion Properties : See solubility in water, diethyl ether,
acetone.

Solubility:

Easily soluble in acetone. Soluble in diethyl ether. Very slightly soluble in cold water. Soluble in acetic acid. Freely soluble in benzene. Slightly soluble in petroleum ether. Solubility in water: 100 mg/l @ room temperature. Solubility in ether: 13.6 g/100 ml ether @ 25 deg. C. Solubility in ethanol: 7.8 g/100 ml ethanol @ 25 deg. C. One gram dissolves in 60 ml cold alcohol, 16 ml boiling alcohol, 10 ml chloroform, 7.5 ml ether, 80 ml glycerol, 3 ml carbon disulfide, 34 ml olive oil.

9.2 Other safety Information

No data available

10.1 Stability:

The product is stable under normal use and storage conditions.

10.2 Conditions to avoid:

Solar radiation, high temperature.

10.3 Materials to avoid:

Strong alkaline, alkali metals, strong oxidizing agents.

10.4 Hazardous decomposition products:

At high temperatures it may can release poisonous hydrogen iodide.

11.1 Information on toxicological effects

High toxicity

rat (orally) 355mg/kg

LC 50 (rat inhalation 7 h) 165 ppm

LD 50 (rat, skin) 1,184mg/kg

Inhalation:



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Respiratory irritation, nausea, cough, shortness of breath, respiratory distress, loss of consciousness.

Ingestion:

Poisoning causes vomiting, nausea, abdominal pain, and can damage the liver and kidneys.

Skin contact:

Redness and inflammation, and general absorption may cause symptoms of poisoning.

Eye contact:

Causes irritation of the mucous membranes, redness, acute inflammation and can cause damage to the cornea.

Other information

None of the ingredients of the product is classified as carcinogenic, mutagenic or reprotoxic.

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.

Toxicity of the Products of Biodegradation:

The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation:

Not available.

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.



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Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

DOT Classification:

Not a DOT controlled material (United States).

Identification:

Not applicable.

Special Provisions for Transport:

Not applicable.

15.1 Federal and State Regulations:

Illinois toxic substances disclosure to employee act: Iodoform Rhode Island RTK hazardous substances: Iodoform Pennsylvania RTK: Iodoform Minnesota: Iodoform Massachusetts RTK: Iodoform New Jersey: Iodoform California's Director's List of Hazardous Substances: Iodoform TSCA 8(b) inventory: Iodoform

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.

15.3 Other Classifications:

WHMIS (Canada):

CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

DSCL (EEC):

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Eye Irrit.	Eye irritation
H302	Harmful if swallowed.
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.



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Full text of R-phrases referred to under sections 2 and 3

Xn Harmful
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

Disclaimer:

MSDS Creation Date: 01-01-2015

Revision #1 Date: 31-12-2017

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Infinium Pharmachem Pvt Ltd be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Infinium Pharmachem Pvt Ltd has been advised of the possibility of such damages.