



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

DI-IODOMETHANE

1.1 Product Identifiers:

Product Name : di-iodomethane
Product Codes : XXXX
CAS No : 75-11-6

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 : Diiodomethane; Methyl Diiodide; diiodomethano



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CAS No. : 75-11-6
Molecular Weight : 267.84
Chemical Formula : CH₂I₂

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

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

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

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, N Harmful, R22, R36/37/38, R50/53

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

Warning

Hazard statement(s)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)



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P261 Avoid breathing dust.
P280 Avoid breathing dust/fume/gas/mist/vapours/spray.
P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard none

Statements

3.3 Other hazards-none

4.1 Description of first aid measures

Inhalation:

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

Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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. During a fire, irritating and highly toxic



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gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

5.2 Extinguishing Media:

Use foam, dry chemical, or carbon dioxide. Use agent most appropriate to extinguish fire. Cool containers with flooding quantities of water until well after fire is out.

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. 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

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

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not get on skin or in eyes. Do not ingest or inhale. Store protected from light.

7.2 Conditions for safe Storage, including any incompatibilities.

Store in a cool, dry, well-ventilated area away from incompatible substances. Store in opaque, air-tight containers.



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8.1 Control parameters

Components with workplace control Parameters.

8.2 Exposure controls

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA-Final PELs
Diiodomethane	None listed	None listed	None listed

OSHA Vacated PELs: Diiodomethane: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear impervious gloves.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9.1 Information on Basic physical & chemical properties

Appearance	:	Yellow, very heavy, highly refractive liquid
Odor	:	odorless
pH	:	Not available.
Vapor Pressure	:	0.68 mm Hg @ 20C
Vapor Density	:	9.25 (air=1)
Evaporation Rate	:	Not available.
Viscosity	:	2.80 cP 20 C
Boiling Point	:	181 deg C
Freezing/Melting Point	:	6 deg C
Autoignition Temperature	:	Not available.
Flash Point	:	> 235 deg F (> 112.78 deg C)
Decomposition Temperature	:	181 deg C



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NFPA Rating	:	Health: 2; Flammability: 1; Reactivity: 0
Explosion Limits, Lower	:	Not available.
Upper	:	Not available.
Solubility	:	Insoluble in water.
Specific Gravity/Density	:	3.325 @ 20C.
Molecular Formula	:	CH ₂ I ₂
Molecular Weight	:	267.823

9.2 Other safety Information

No data available

10.1 Stability:

Stable under ordinary conditions of use and storage. Darkens on exposure to light, air, and moisture.

10.2 Hazardous Decomposition Products:

Burning may produce toxic iodine vapors.

10.3 Hazardous Polymerization:

Will not occur.

10.4 Incompatibilities:

Potentially explosive reaction with diethyl zinc and alkenes. Violent reaction with copper-zinc alloys and ether. Forms very shock-sensitive explosive mixtures with potassium, potassium-sodium alloys and lithium. Containers may explode in heat or fire. Strong oxidizing agents, strong bases.

10.5 Conditions to Avoid:

Air, moisture, light and incompatibles.

11.1 Information on toxicological effects

RTECS#: PA8575000

CAS# 75-11-6:

LD50/LC50: Not available.

Carcinogenicity : CAS# 75-11-6: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.



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Epidemiology : No information available.
Teratogenicity : No information available.
Reproductive Effects : No information available.
Neurotoxicity : No information available.
Mutagen city : No information available.

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13.1 WASTE DISPOSAL METHOD

Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. It is the responsibility of the product user or owner to determine at time of disposal, whether the product is regulated as a hazardous waste.

US DOT

Shipping Name : TOXIC LIQUIDS, ORGANIC, N.O.S.
Hazard Class : 6.1
UN Number : UN2810
Packing Group : III

Canada TDG

Shipping Name : TOXIC LIQUID ORGANIC NOS (METHYLENE IODIDE)
Hazard Class : 6.1
UN Number : UN2810



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Packing Group : III

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

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

Acute tox.	Acute toxicity
Eye Irrit.	Eye irritation
H302	Harmful if swallowed
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity -single exposure

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

Xn	Harmful
R22	Harmful if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin.

MSDS Creation Date: 01-01-2015

Revision #1 Date: 31-12-2017

Disclaimer:

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 Fisher 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.