

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-M-01238
<b>Product Name</b>	Perfluorobutyl Iodide
<b>CAS No.</b>	423-39-2
<b>Category</b>	MISCELLANEOUS
<b>Synonyms</b>	1,1,2,2,3,3,4,4,4-Nonafluorobutyl iodide; 1-Iodo-1,1,2,2,3,3,4,4,4-nonafluorobutane; 1-Iodononafluorobutane; 1-Iodoperfluorobutane;
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Skin irritation (Category 2)  
Serious eye damage/eye irritation (Category 2)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H315	Causes skin irritation.

H319	Causes serious eye irritation.
H335	Not available
H411	Toxic to aquatic life with long lasting effects.

### Precautionary Statement(s)

Code	Statement
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P271	Use only outdoors or in a well-ventilated area.
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present.
P319	Get medical help if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P317	If skin irritation occurs: Get medical help.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Perfluorobutyl Iodide

CAS Number : 423-39-2

Molecular Formula : C4F9I

Molecular Weight : 345.93

Parent Chemical : -

Synonyms : 1,1,2,2,3,3,4,4,4-Nonafluorobutyl iodide;  
1-Iodo-1,1,2,2,3,3,4,4,4-nonafluorobutane;  
1-Iodononafluorobutane;  
1-Iodoperfluorobutane;  
Concentration : Not available

### SECTION 4: First aid measures

#### SECTION 4: First-aid measures

##### 4.1 Description of first aid measures

General advice: Remove contaminated clothing and shoes. Seek medical attention if symptoms occur or persist.

Inhalation: Move person to fresh air. Keep at rest. If breathing is difficult, seek medical attention.

Skin contact: Wash with plenty of soap and water. Get medical attention if irritation develops.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Seek medical attention.

##### 4.2 Most important symptoms and effects, both acute and delayed

Not available.

##### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No data available.

### SECTION 5: Firefighting measures

#### SECTION 5: Fire-fighting measures

##### 5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment (e.g., dry chemical, carbon dioxide, alcohol-resistant foam).

Unsuitable extinguishing media: Not available.

##### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition may release hazardous fumes/gases. May release hydrogen fluoride and other halogenated compounds under fire conditions. No data available on specific decomposition products.

##### 5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective gear. Cool containers with water spray if exposed to fire. Prevent fire-fighting water from entering drains or waterways.

### SECTION 6: Accidental release measures

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel. Ensure adequate ventilation. Avoid breathing vapors/mist. Avoid contact with skin and eyes. Use appropriate personal protective equipment.

##### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent entry into sewers, waterways, or soil.

### 6.3 Methods and material for containment and cleaning up

Contain spill. Absorb with inert absorbent material (e.g., sand, earth, vermiculite). Collect into suitable, labeled containers for disposal. Clean contaminated area with appropriate methods. Dispose of waste in accordance with local regulations.

### 6.4 Reference to other sections

See Section 8 for personal protective equipment and Section 13 for disposal considerations.

## SECTION-7: Handling and storage

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation (preferably in a chemical fume hood). Avoid breathing vapors/mist. Avoid contact with skin, eyes, and clothing. Keep container tightly closed when not in use.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Keep container tightly closed. Protect from heat and direct sunlight. Store away from incompatible materials.

Incompatible materials: Not available.

#### 7.3 Specific end use(s)

Not available.

## SECTION 8: Exposure controls / personal protection

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limits: Not available.

Biological limit values: Not available.

#### 8.2 Exposure controls

Engineering controls: Provide adequate ventilation. Use local exhaust ventilation or fume hood.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Chemical-resistant gloves. Wear protective clothing as appropriate.
- Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection. Selection should be based on hazard and exposure assessment.
- Hygiene measures: Wash hands after handling. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash before reuse.

Environmental exposure controls: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

## SECTION 10: Stability and reactivity

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10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Heat, flames, and other sources of ignition. Incompatible conditions: Not available.

### 10.5 Incompatible materials

Not available.

### 10.6 Hazardous decomposition products

May form hydrogen fluoride and other halogenated compounds under thermal decomposition/fire conditions. No data available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- Acute toxicity: LC50 (rat) = 14,000 ppm/4hr
- 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: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

### Likely routes of exposure

- No data available.

### Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

## SECTION 12: Ecological information

### SECTION 12: Ecological information

#### 12.1 Toxicity

Not available.

#### 12.2 Persistence and degradability

Not available.

#### 12.3 Bioaccumulative potential

Not available.

#### 12.4 Mobility in soil

Not available.

#### 12.5 Results of PBT and vPvB assessment

Not available.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

Not available.

### SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Do not discharge to drains or the environment.

Contaminated packaging: Dispose of as unused product or according to local requirements.

Waste codes: Not available.

### SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number

Not available.

14.2 UN proper shipping name

Not available.

14.3 Transport hazard class(es)

Not available.

14.4 Packing group

Not available.

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

Not available.

14.7 Maritime transport in bulk according to IMO instruments

Not available.

### SECTION 15: Regulatory information

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available.

15.2 Chemical safety assessment

Not available.

### SECTION 16: Other information

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Catalog No.: CS-M-01238

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Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Disclaimer: The information provided is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. No data available for certain properties and hazards; users should perform their own risk assessment for intended use.

Revision date: Not available.

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