



## MATERIAL SAFETY DATE SHEET

### 2-ETHYLHEXYL IODIDE

#### Section 1-Identification of the Substance/Preparation/Company

**Product Name** : 2-Ethylhexyl iodide

**Manufacturer** : Pantheon FZE  
JAFZA 17/329,  
PO Box: 17899, Jabel Ali,  
Dubai, UAE

**Emergency contact** : +971 4 881 8215

#### Section 2-Hazards Identification

##### Classification as per EC Regulation 1272/2008

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

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

Irritating to eyes, respiratory system and skin.

##### Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

H315

H319

H335

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary statement(s)

P261

P305 + P351 + P338

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

**IF IN EYES:** Rinse cautiously with water for several minutes.



PANTHEON

Remove contact lenses, if present and easy to do.  
Continue rinsing.

Hazard symbol(s)

Xi

Irritant

R-phrases(s)

R36/37/38

Irritating to eyes, respiratory system and skin.

S-phrases(s)

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36

Wear suitable protective clothing.

Other hazards

none

### Section 3-Composition/Information on Ingredients

**Synonyms** : 2-Ethyl-1-iodohexane

**Formula** : C<sub>8</sub>H<sub>17</sub>I

**Molecular Weight** : 240.13 g/mol

**CAS No** : 1653-16-3

**EC No** : 216-720-5

### Section 4-First Aid Measure

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5-Fire fighting procedure

#### **Suitable extinguishing media**

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

#### **Special protective equipment for fire-fighters**

---

E-mail : [info@pantheonfze.com](mailto:info@pantheonfze.com) / URL : [www.pantheonfze.com](http://www.pantheonfze.com)



Wear self contained breathing apparatus for fire fighting if necessary.

**Further information**

Use water spray to cool unopened containers.

**Section 6-Accidental Release Measure**

**Personal precautions**

Use personal protective equipment. Avoid breathing vapors, 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.

**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). Keep in suitable, closed containers for disposal.

**Section 7-Handling and Storage**

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

**Conditions for safe storage**

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. Store in cool place.

**Section 8-Exposure control/Personal protection**

**Personal protective equipment**

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Eye protection

Safety glasses with side-shields conforming to EN 166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin and body protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9-Physical Chemical Properties

### Appearance

Form	liquid
Colour	yellow

### Safety data

pH	no data available
Melting point	no data available
Boiling point	90 °C at 24 hPa - lit.
Flash point	79 °C - closed cup
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Density	1,337 g/cm <sup>3</sup> at 25 °C
Water solubility	no data available

## Section 10-Stability and Reactivity

**Chemical stability:** Stable under recommended storage conditions.



**Conditions to avoid:** Heat, flames and sparks.

**Materials to avoid:** Strong oxidizing agents, Strong bases

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen iodide

### Section 11-Toxicity Information

**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 component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** no data available

**Specific target organ toxicity:** single exposure

**Inhalation:** May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure** no data available

**Aspiration hazard:** no data available

#### **Potential health effects**

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin:** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes:** Causes serious eye irritation.

#### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### **Additional Information**

RTECS: Not available

### Section 12-Ecological Information

**Toxicity:** no data available

**Persistence and degradability:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available



### Section 13-Disposal Considerations

#### Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of as unused product.

### Section 14-Transport Information

ADR/RID : Not dangerous goods

IMDG : Not dangerous goods

IATA : Not dangerous goods

### Section 15-Regulatory Information

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

### Section 16-Additional Information

Text of H-code(s) and R-phrase(s) mentioned in Section 3

Eye Irrit. Eye irritation

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

Xi Irritant

R36/37/38 Irritating to eyes, respiratory system and skin.

#### Disclaimer:

Pantheon Fze provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, PANTHEON FZE WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

Pantheon FZE  
JAFZA 17/329,  
PO Box: 17899  
Jabel Ali, Dubai, UAE