

1. COMPANY AND PRODUCT IDENTIFICATION

Product Name:

Propidium Iodide

Manufacturer / Supplier:

IMMUNOSTEP, S.L.
Avd. Universidad de Coimbra, s/n.
Centro de Investigación del Cáncer
(CIC)
Campus Miguel de Unamuno 37007 Salamanca-Spain
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Information relative to Technical Services:

tech@immunostep.com

Emergency Information:

+34 915620420
Instituto Nacional de Toxicología. Madrid.

2. INFORMATION ABOUT COMPONENTS

2.1. Description:

Propidium Iodide in PBS and 0,09% NaN₃

2.2. hazardous ingredients:

COMPONENT	Num.- CAS	MOLECULAR WEIGHT	% w/v
PROPIDIUM IODIDE (PI)	25535-16-4	668,39 g/mol	<0,01

Buffered aqueous solution, with components that are below the regulatory threshold limits according EC No 1272/2008

3. HAZARDS IDENTIFICATION

Code Letter, hazard designation & symbol: GHS07, GHS08



Risk phrases associated to the product: 36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases associated to the product:

- H317 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.

Indication of Danger:

- R-Phrases

R22- Harmful if swallowed

R36- Irritating to eyes

R37 – Irritating to respiratory system

R38 – Irritating to skin

- S- Phrases

S14 - Keep from long-term exposure to light.

S28 – After contact with skin, wash thoroughly with water.

4. FIRST AIDS MEASURES

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

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE FIGHTING MEASURES

Extinguishing media:	<ul style="list-style-type: none"> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special firefighting procedures:	<ul style="list-style-type: none"> Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Wear protective equipment, such as gloves and safety glasses when cleaning-up spills.
- Absorb with liquid-binding material and placed in closed containers for disposal. Avoid generation of aerosols during clean up.

7. HANDLING AND STORAGE

7.1. Handling precautions.

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

7.2. Storage:

- Store container at 2-8°. Protect from the light.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of material with critical values that have to be monitored at the work place.

Engineering controls:

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

Respiratory protection:

Not required.

Eye protection:

Safety glasses



Body protection:

Protective work clothing; impervious gloves, such a nitrile or equivalent, should be worn to prevent skin contact

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	dark orange
Odour:	Odourless
Change in condition	Melting point: Not determined Boling point: Not determined
Flash point:	Not applicable
Flammability and danger of explosion:	Not applicable
Vapour pressure:	Not available
Density:	Not determined
Solubility in water:	Soluble
pH:	Not determined

10. STABILITY AND REACTIVITY

- **Reactivity**
- **Chemical stability:** Stable under normal temperatures and pressures
- **Thermal decomposition:** No decomposition if used according instructions.
- **Hazardous reactions:** no dangerous reactions known
- **Incompatible materials:** not determined

11. TOXICOLOGICAL INFORMATION

Acute toxicity for hazardous ingredients:	May cause skin and eye irritation May be harmful if absorbed through the skin. May cause irritations to mucous membranes and upper respiratory tract. May be harmful if swallowed
Potential effects of chronic exposure:	Powerful mutagenic agent

12. ECOLOGICAL INFORMATION

Ecotoxicity: Generally not hazardous for water. Do not dispose via sewage system.

13. DISPOSAL CONSIDERATIONS

Recommendation:	Observe all state and local environmental regulations.
Uncleaned packagings:	<ul style="list-style-type: none"> • Recommendation: Disposal must be according to state and local regulations. • Recommended cleansing agent: Water, if necessary with cleansing agents.

14. TRANSPORT INFORMATION



MATERIAL SAFETY DATA SHEET

Referency
MSDS-PI/2

Revision Number
2

Last Revision
date:
20-10-2015

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RID /ADR: Non-hazardous for road transport.

IMDG: Non-hazardous for sea transport.

ICAO/IATA: Non-hazardous for air transport.

15. OTHER INFORMATION

The above information represents the best information currently available for us. However this reagent may present unknown hazards and should be used with caution. Independent professional opinions regarding the risk or exposure to this solution are the responsibility of the user.