



WORLD
PRECISION
INSTRUMENTS

100042

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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SECTION 1: Identification

1.1. Identification

Product form : Liquid
Product name : ISO-HPO-2 Filling Solution

1.2. Recommended use and restrictions on use

Recommended use : As an electrolyte solution for the measurement of hydrogen peroxide
Restrictions on use : Product for industrial use only

1.3. Supplier

World Precision Instruments, LLC
175 Sarasota Center Boulevard, Sarasota, FL 34240
P: (941) 371-1003 · F: (941) 377-5428
www.wpiinc.com

1.4. Emergency telephone number

Emergency number : 1-941-371-1003

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

P264: Wash thoroughly after handling. P270: Do not eat, drink or smoke when using this product.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathed in, move person to fresh air. If not breathing, give artificial respiration. In case of discomfort, seek medical attention.
First-aid measures after skin contact : Wash off with soap and plenty of water for at least 15 minutes. In case of discomfort, seek medical attention.
First-aid measures after eye contact : Flush eyes thoroughly with water for 15 minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing. In case of discomfort, seek medical attention.
First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. In case of discomfort, seek medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Not applicable

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Prevent contamination of drains or waterways.

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Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

: Sealed containers may rupture when heated.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Evacuate area and contact emergency services. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal protection".

6.2. Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

6.3. Methods and material for containment and cleaning up

Small spills: : Contain spilled material if possible. Clay, soil or commercially available absorbents may be used. Collect in suitable and properly labelled containers.

Large spills: : Contain area to prevent spill from spreading. Minimize adverse effects on the environment. Clay, soil or commercially available absorbents may be used. Collect in suitable and properly labelled containers.

6.4. Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Observe directions on label and instructions for use. Avoid contact with skin and eyes.

Hygiene measures : Do not smoke. Do not eat, drink or smoke when handling this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a cool place. Keep container tightly closed in a dry and well ventilated place.

Specific end uses : Analytical reagent use only as directed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits: : No data available.

Biological exposure indices (BEI): : No data available.

Additional exposure limits under the conditions of use: : No data available.

8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Not necessary under normal use

Respiratory protection:

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If discomfort is experienced, use an approved air-purifying respirator. Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear
Odor	: Odorless
Odor threshold	: No data available
pH	: 7
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
VOC content	: No data available
Dissociation constant in water (pKa)	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable under recommended conditions of storage. Product will not undergo hazardous polymerization.

10.3. Possibility of hazardous reactions

Hazardous polymerization is not expected to occur.

10.4. Conditions to avoid

Do not store next to heat source, in direct sunlight, or elevated storage temperature.

10.5. Incompatible materials

Not known.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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EN (English US)

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Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of in accordance with municipal, provincial and national regulations.
Product/packaging disposal:	: Recycle where possible

SECTION 14: Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

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SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

Contains no REACH candidate substance

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

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SDS US – World Precision Instruments LLC

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. World Precision Instruments, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See www.wpiinc.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.