

World Precision Instruments, Inc.
Material Safety Data Sheet
Version Date: 03/30/2007

Section 1 - Product and Company Information

Product Name	Hydrogen Peroxide
Product Number:	1mM H ₂ O ₂ Standard
Brand:	WPI Inc.
Company:	WPI Inc.
Address:	175 Sarasota Center Blvd Sarasota, FL 34240
Technical Phone:	941-371-1003
Fax:	941-377-5428
Emergency Phone:	941-371-1003

Section 2 - Composition/Information on Ingredients

Substance Name	CAS #	SARA 13
Hydrogen Peroxide Solution	N/A	No

Ingredient Name	CAS #	Percent	SARA 313
Water	7732-18-5	>99.9	No
Hydrogen Peroxide	7722-84-1	<0.1	Yes

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Target organ(s) Eyes. Skin.

HMIS RATING

HEALTH	0
FLAMMABILITY	0
REACTIVITY	1

NFPA RATING

HEALTH	0
FLAMMABILITY	0
REACTIVITY	1

Section 4 - First Aid Measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE

In case of contact, immediately wash skin with water.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

METHODS FOR CLEANING UP

Absorb with paper towel or tissue. Dry the area after clean up.

Section 7 - Handling and Storage

HANDLING

User Exposure Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable Keep tightly closed.
Store at 2-8°C

SPECIAL REQUIREMENTS

Light sensitive.

Section 8 - Exposure Controls / PPE

Eye Wear chemical goggles.
Hand Rinse with water.
General Hygiene Measures Wash thoroughly after handling

EXPOSURE LIMITS	Country Source	Type Value
Poland	NDS	1.5 MG/M3
Poland	NDSch	4 MG/M3
Poland	NDSP	-

Section 9 - Physical/Chemical Properties
--

Appearance	Physical State	Clear liquid
Color		Colorless
	Property	Value (At Temperature or Pressure)
Molecular Weight		34.02 AMU
pH		N/A
BP/BP Range		N/A
MP/MP Range		N/A
Freezing Point		N/A
Vapor Pressure		23.3 mmHg (30 °C)
Vapor Density		1.1 g/l
Saturated Vapor Conc.		N/A
SG/Density		1 g/cm3
Bulk Density		N/A
Odor Threshold		N/A
Volatile%		N/A
VOC Content		N/A
Water Content		N/A
Solvent Content		N/A
Evaporation Rate		N/A
Viscosity		N/A
Surface Tension		N/A
Partition Coefficient		N/A
Decomposition Temp.		N/A
Explosion Limits		N/A
Flammability		N/A
Autoignition Temp		N/A
Refractive Index		1.335
Optical Rotation		N/A
Miscellaneous Data		N/A
Solubility		N/A

Section 10 - Stability and Reactivity

STABILITY

Stable	Stable.
Conditions to Avoid	Rust. Light.
Materials to Avoid	Brass, Iron and iron salts, finely powdered metals, Copper, Copper alloys, Galvanized iron, Zinc, Nickel

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products	Oxygen
-------------------------------------	--------

HAZARDOUS POLYMERIZATION

Hazardous Polymerization	Will not occur
--------------------------	----------------

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact	May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.
Inhalation	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion	May be harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Eyes. Skin.
Respiratory system.

SIGNS AND SYMPTOMS OF EXPOSURE

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

TOXICITY DATA

Remarks	Concentration too low to have any significant effects
---------	--

CHRONIC EXPOSURE - CARCINOGEN

Result	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
--------	---

Section 12 - Ecological Information
--

No Data Available

Section 13 - Disposal Considerations

Safe concentration to mix with water waste

Section 14 - Transport Information

	DOT
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.

	IATA
Non-Hazardous for Air Transport	This substance is considered to be non-hazardous for air transport.

Section 15 - Regulatory Information
--

	US CLASSIFICATION AND LABEL TEXT
US Statements	Target organ(s): Eyes. Skin.

	UNITED STATES REGULATORY INFORMATION
SARA LISTED	No
TSCA INVENTORY ITEM	Yes

	CANADA REGULATORY INFORMATION
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL	No
NDSL	No

Section 16 - Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

*** OSHA Compliance**

WPI Inc. withholds the right to limit disclosure of concentrations and/or ingredients within the domain of "trade secrets" described in Hazard Communication - 1910.1200 (Standards - 29 CFR). WPI Inc. will also comply to all situations requiring the release of sensitive information stated in those regulations such as a case of emergency.

WARRANTY

The staff of our company believes all information to be correct. Allow this document to be used as a guideline for usage of the product, but WPI Inc. does not consider this document an all inclusive document. Information in this document is publicly available information obtained from credible sources, vendors and/or from WPI Inc. directly. This information is intended only for safety purposes and does not serve as a guarantee for the absolute properties of this product. WPI Inc. is not liable for any damages or injury resulting from contact with or handling of the above product. Refer to terms and conditions of sale for any questions.

© WPI Inc. 2006

<http://www.wpiinc.com>