



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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SAFETY DATA SHEET

Hi Valley Chemical

Hydrogen Peroxide 15%

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Hydrogen Peroxide 15%
SDS Number: R-094
Product Code: 761458, 761458-5, 761458-PT, 761458-QT
Revision Date: 7/8/2016
Version: 1.0
Chemical Formula: H2O2
Supplier Details: High Valley Products, Inc.
1134 West 850 North
Centerville, Utah 84014
Emergency: PERS: 800-633-8253
Phone: 801-295-9591
Email: sales@hvchemical.com
Web: www.hvchemical.com

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Physical, Oxidizing Liquids, 1
- Health, Acute toxicity, 4 Oral
- Health, Skin corrosion/irritation, 1 A
- Health, Acute toxicity, 5 Inhalation
- Environmental, Hazards to the aquatic environment - Acute, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H271 - May cause fire or explosion; strong oxidizer
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H333 - May be harmful if inhaled
- H402 - Harmful to aquatic life

GHS Precautionary Statements:

- P220 - Keep/Store away from clothing/combustible materials.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER or doctor/physician.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
7722-84-1	15%	Hydrogen peroxide
7732-18-5	85%	Water

4 FIRST AID MEASURES

Inhalation:	If inhaled, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact:	Promptly flush skin with water until all chemical is removed. Remove contaminated clothing and wash before reuse. Consult a physician.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Consult a physician.
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Oxygen
Nature of decomposition products not known.

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions:
Do not let product enter drains.

Methods and materials for containment and cleaning up:
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing.
Keep away from sources of ignition. No smoking.

Storage Requirements: Keep container tightly closed. Store in cool/dry/well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: HMIS PP, Z | Airline Hood or Mask
Hydrogen peroxide (7722-84-1) [35%]

Personal protective equipment

Eye/face protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves 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.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min
Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min
Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Hydrogen peroxide (7722-84-1) [35%]

Components with workplace control parameters

TWA 1 ppm USA. ACGIH Threshold Limit Values (TLV)

Eye, skin, & Upper Respiratory Tract irritation

Confirmed animal carcinogen with unknown relevance to humans

TWA 1 ppm USA. NIOSH Recommended Exposure Limits
1.4 mg/m3

TWA 1 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
1.4 mg/m3

The value in mg/m3 is approximate.

TWA 1 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
1.4 mg/m3

Appearance:	Colorless.
Physical State:	Liquid
Odor:	No data available
Odor Threshold:	No data available
Solubility:	Complete
Spec Grav./Density:	No data available
Viscosity:	No data available
Boiling Point:	126 °C (259 °F) at 1,013 hPa (760 mmHg)
Freezing/Melting Pt.:	-40 °C (-40 °F)
Flash Point:	No data available
Partition Coefficient:	No data available
Vapor Pressure:	31.1 hPa (23.3 mmHg) at 30 °C (86 °F)
Vapor Density:	1.17 - (Air = 1.0)
pH:	No data available
Evap. Rate:	No data available
Auto-Ignition Temp:	No data available
Decomp Temp:	No data available
UFL/LFL:	No data available

Reactivity:	No data available
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	No data available
Materials to Avoid:	Brass, Copper, Powdered metals, Iron, Iron and iron salts.
Hazardous Decomposition:	No data available

Hydrogen peroxide (7722-84-1) [35%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrogen peroxide)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: Not available

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

Liver - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence (Hydrogen peroxide)

12 ECOLOGICAL INFORMATION

Hydrogen peroxide (7722-84-1) [35%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

UN2984, Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary), 5.1, PGIII

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Hydrogen peroxide (7722-84-1) [15%] EHS302, MASS, NJHS, OSHAPSM, OSHAWAC, PA, TSCA, TXAIR

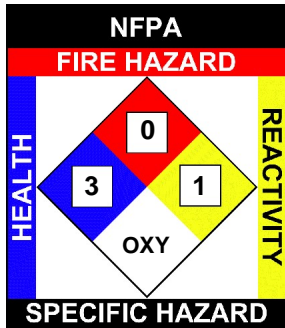
Water (7732-18-5) [85%] TSCA

Regulatory CODE Descriptions

EHS302 = Extremely Hazardous Substance
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAPSM = OSHA Chemicals Requiring process safety management
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

NFPA: Health = 3, Fire = 0, Reactivity = 1, Specific Hazard = OXY

HMIS III: Health = 3, Fire = 0, Physical Hazard = 1



HMIS	
HEALTH	<input type="checkbox"/> 3
FLAMMABILITY	<input type="checkbox"/> 0
PHYSICAL HAZARD	<input type="checkbox"/> 1
PERSONAL PROTECTION	<input type="checkbox"/>

Disclaimer:

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