

## SECTION 1: Identification

<b>Product identifier</b>	
Product name	Hydrogen Peroxide Solution
Product number	R-0649; R-0649-PL
<b>Recommended use and restrictions</b>	To be used in accordance with manufacturer instructions or under the direct guidance of the manufacturer.
<b>Manufacturer</b>	Taylor Technologies, Inc. 31 Loveton Circle Sparks, MD 21152 Phone: (410) 472-4340 Emergency phone: (800) 837-8548

## SECTION 2: Hazard(s) identification

<b>Physical hazards</b>	No data available	
<b>Health hazards</b>	Eye damage/irritation	Category 1
	Skin corrosion/irritation	Category 2
<b>Environmental hazards</b>	Not currently regulated by OSHA. For additional information, refer to section 12 of the SDS.	
<b>Label elements</b>		
Hazard pictograms		
Signal word	Danger	
Hazard statements	Causes serious eye damage. Causes skin irritation.	
Precautionary statements		
Prevention	Wear eye protection/face protection if contact is likely to occur. Wash skin thoroughly after handling. Wear protective gloves if contact is likely to occur.	
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a physician or poison control center. IF ON SKIN: Wash with plenty of water. IF SKIN IRRITATION OCCURS: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.	
Storage	Keep tightly capped. Store out of direct sunlight between 36°F–85°F.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazards not otherwise classified</b>	Not applicable	

## SECTION 3: Composition/information on ingredients

### Mixture

Chemical name	Common name and synonyms	CAS number	% w/w
Water	Dihydrogen oxide	7732-18-5	80-100
Hydrogen peroxide	None	7722-84-1	1-5

## SECTION 4: First-aid measures

### If inhaled

Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. Give oxygen or artificial respiration if needed.

### In case of skin contact

Immediately flush skin with plenty of water for at least 20 minutes. If clothing comes in contact with the product, the clothing should be removed and laundered before reuse. Seek medical attention if irritation develops.

### In case of eye contact

Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses if present and easy to do. Continue

rinsing. If symptoms persist or in all cases of concern, seek medical advice.

#### **If swallowed**

Immediately call a physician or poison control center. Rinse mouth. Never give anything by mouth to a person who is unconscious or is having convulsions. Do NOT induce vomiting unless directed by physician. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

#### **Most important symptoms and effects, both acute and delayed**

Refer to section 2 and/or section 11 of the SDS for the most important known symptoms and effects.

#### **Indication of any immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically.

#### **General information**

Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### **SECTION 5: Firefighting measures**

#### **Extinguishing media**

Suitable extinguishing media Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### **Specific hazards arising from the substance or mixture**

Fire hazard Not flammable  
Explosion hazard Not explosive  
Reactivity Hazardous reactions will not occur under normal conditions.  
Hazardous combustion products No data available

#### **Advice for firefighters**

Precautionary measures Exercise caution when fighting any chemical fire; hazardous fumes will be present.  
Firefighting equipment/instructions Use water spray or fog for cooling exposed containers.  
Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.  
Other information Refer to section 9 of the SDS for flammability properties.

### **SECTION 6: Accidental release measures**

#### **Personal precautions, protective equipment, and emergency procedures**

Wear appropriate protective equipment and clothing during cleanup. Local authorities should be advised if significant spillages cannot be contained. For personal protective equipment, refer to section 8 of the SDS.

#### **Environmental precautions**

Avoid discharge into drains, watercourses, or onto the ground.

#### **Methods and material for containment and cleaning up**

Dike the spilled material where this is possible. Stop leak if it can be done without risk. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth, and place into containers. Prevent entry into waterways, sewers, basements, or confined areas. Following product recovery, flush area with water to remove residual contamination. Never return spills to original containers for reuse. Contaminated absorbent material may pose the same hazards as the spilled product. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

#### **Reference to other sections**

For exposure controls and personal protection, refer to section 8 of the SDS. For waste disposal, refer to section 13 of the SDS.

### **SECTION 7: Handling and storage**

#### **Personal precautions, protective equipment, and emergency procedures**

Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. For personal protective equipment, refer to section 8 of the SDS. Keep away from incompatibles. Observe good industrial hygiene practices. Label containers appropriately.

#### **Conditions for safe storage, including any incompatibilities**

Keep tightly capped. Store out of direct sunlight between 36°F- 85°F. Store away from incompatible materials (refer to section 10 of the SDS).

### **SECTION 8: Exposure controls/personal protection**

#### **Occupational exposure limits**

##### **US ACGIH Threshold Limit Values**

<u>Components</u>	<u>Type</u>	<u>Value</u>
Hydrogen Peroxide (CAS 7722-84-1)	TWA	1.4 mg/m <sup>3</sup>

##### **US NIOSH: Pocket Guide to Chemical Hazards**

<u>Components</u>	<u>Type</u>	<u>Value</u>
Hydrogen Peroxide (CAS 7722-84-1)	TWA	1.4 mg/m <sup>3</sup>

**US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<u>Components</u>	<u>Type</u>	<u>Value</u>
Hydrogen Peroxide (CAS 7722-84-1)	TWA	1.4 mg/m <sup>3</sup>

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure controls**

Appropriate engineering controls    Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eyewash facilities and emergency shower must be available when handling this product.

Personal protective equipment

- Eye/face protection    Wear appropriate chemical safety goggles if contact is likely to occur.
- Skin protection    Wear appropriate chemical-resistant gloves and clothing if contact is likely to occur.
- Body protection    Wear appropriate protective clothing if contact is likely to occur.
- Respiratory protection    In case of insufficient ventilation, wear suitable respiratory equipment. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fumes at levels exceeding the exposure limits. Advice should be sought from respiratory protection suppliers.

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state	Liquid
Form	Liquid
Color	Clear, colorless
Odor	Odorless
Odor threshold	No data available
pH	No data available
Evaporation rate	No data available
Melting point	No data available
Freezing point	No data available
Initial boiling point (boiling range)	No data available
Flash point	No data available
Specific gravity	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Upper Flammability Limit	No data available
Lower Flammability Limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility	Soluble in all proportions
Partition coefficient (n-octanol/water)	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

**SECTION 10: Stability and reactivity**

**Reactivity**    Hazardous reactions will not occur under normal conditions.

<b>Chemical stability</b>	Stable under recommended handling and storage conditions (refer to section 7 of the SDS).
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials. Do not use in areas without adequate ventilation.
<b>Incompatible materials</b>	Brass, copper, iron, iron salts, nickel, powdered metals and zinc.
<b>Hazardous decomposition products</b>	No hazardous decomposition products under normal conditions.

## SECTION 11: Toxicological information

### Information on toxicological effects

Likely routes of exposure are **skin/eye contact and ingestion**.

<b>Most important symptoms/effects, acute and delayed</b>	Direct skin contact may cause irritation. Symptoms may include redness and itching. Direct eye contact may cause serious damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Inhalation of mists can cause respiratory irritation. Symptoms may include coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
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**Acute toxicity** This product is not classified as an acute toxicity hazard.

**Skin corrosion/irritation** Causes skin irritation

**Serious eye damage/eye irritation** Causes serious eye damage

**Respiratory sensitization** No data available

**Skin sensitization** No data available

**Germ cell mutagenicity** No data available

### Carcinogenicity

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Not regulated

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096)

Not regulated

#### US National Toxicology Program (NTP) Report on Carcinogens

Not regulated

**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

## SECTION 12: Ecological information

<b>Ecotoxicity</b>	This product is not classified as environmentally hazardous.
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Other adverse effects</b>	Large or frequent spills can have a harmful or damaging effect on the environment.

## SECTION 13: Disposal considerations

Collect and reclaim or dispose of in sealed containers at a licensed waste disposal site. Since emptied containers may retain product residue, follow label warnings even after container is emptied. This material and its container must be disposed of in a safe manner. Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 14: Transport information

<b>DOT</b>	Not regulated as a dangerous good
<b>IATA</b>	Not regulated as a dangerous good
<b>IMDG</b>	Not regulated as a dangerous good

## SECTION 15: Regulatory information

### US federal regulations

**CERCLA Hazardous Substance (40 CFR 302.4)**

Not regulated

**SARA 302 Extremely Hazardous Substance (40 CFR 355 Appendices A / B)**

Not regulated

**SARA 304 Emergency Release Notification**

Not regulated

**SARA 311/312 Hazardous Chemical**

<u>Chemical name</u>	<u>CAS number</u>
Hydrogen Peroxide	7722-84-1

**SARA 313 (TRI reporting)**

Not regulated

**TSCA Section 8(b) Chemical Inventory**

All components are on the U.S. EPA TSCA Inventory list.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs)**

Not regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated

**Clean Water Act, Toxic and Priority Pollutants (40 CFR 401.15 and CFR 423, Appendix A)**

Not regulated

**Safe Drinking Water Act (SDWA)**

Not regulated

**US state regulations****California Safe Drinking Water and Toxic Enforcement Act of 1986 (California Proposition 65)**

Not regulated

**Massachusetts Right-to-Know Act**

Not regulated

**New Jersey Worker and Community Right-to-Know Act**

<u>Chemical name</u>	<u>CAS number</u>
Hydrogen Peroxide	7722-84-1

**Pennsylvania Worker and Community Right-to-Know Act**

<u>Chemical name</u>	<u>CAS number</u>
Hydrogen Peroxide	7722-84-1

**Rhode Island Right-to-Know Act**

<u>Chemical name</u>	<u>CAS number</u>
Hydrogen Peroxide	7722-84-1

**SECTION 16: Other information****NFPA Rating**

Health hazard	1
Fire hazard	0
Reactivity	0
Specific	N/A

**Disclaimer**

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