

SAFETY DATA SHEET

According to 29 CFR 1910.1200 Hazard Communication Standard 2012 (HazCom 2012)

Revision: 03/11/2022

Hardness Reagent
R-0012
Water analysis. To be used in accordance with manufacturer instructions or under the direct guidance of the manufacturer.
Taylor Technologies, Inc. 31 Loveton Circle Sparks, MD 21152 Local: (410) 472-4340 – 8am – 5pm EST Toll-free: (800) 837-8548 – 8am – 5pm EST
1-800-424-9300 – 24-hour service
+1 703-741-5970 – 24-hour service
ication
Not applicable
Not applicable
Not currently regulated by OSHA. For additional information, refer to section 12 of the SDS.
Not applicable
Not applicable
Not applicable
Avoid contact with skin, eyes, or clothing. For contact with skin or eyes, flush 20 minutes with water. If ingested, contact physician or local poison control center. Treat symptoms as needed.
This reagent is not defined as a hazardous chemical per OSHA's Hazard Communication Standard 2012; however, use care when handling.
Keep tightly capped. Store out of direct sunlight between 36°F–85°F.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified 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
Non-hazardous and other components below reportable levels	Not applicable	Not applicable	1-5

SECTION 4: First-Aid Measures

If inhaled

Remove individual to fresh air. Seek medical advice/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 advice/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/attention.

If swallowed

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

Most important symptoms and effects, both acute and delayed

Direct skin or eye contact may cause irritation. Symptoms may include redness or itching. Tearing of the eyes or blurred vision may occur. Inhalation may cause respiratory irritation, such as coughing. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Refer to section 11 of the SDS for delayed and immediate effects and chronic effects from short- and long-term exposure.

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	Carbon oxides, hydrogen chloride gas, magnesium oxides, nitrogen oxides, sodium oxides. During fire, gases hazardous to health may be formed.	
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. 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 mist or vapor. 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

Not regulated

US NIOSH: Pocket Guide to Chemical Hazards

Not regulated

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

Not regulated

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 safety glasses with side shields (or 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 or nearly colorless
	Odor	Odorless
	Odor threshold	No data available
	рН	8.1
	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
	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
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SECTION 10: Stability and reactivity

Reactivity
Chemical stability
Possibility of hazardous
reactions

Hazardous reactions will not occur under normal conditions of use, storage, and transport. Stable under recommended handling and storage conditions (refer to section 7 of the SDS). No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials. Do not use in areas without adequate ventilation. Incompatible materials Oxidizing agents and metals. No hazardous decomposition products known. Hazardous decomposition products **SECTION 11: Toxicological Information** Information on likely routes of exposure Inhalation No adverse effects due to inhalation are expected. Skin contact No adverse effects due to skin contact are expected. Eye contact Direct contact with eyes may cause temporary irritation. Expected to be a low ingestion hazard. Ingestion Symptoms related to the Refer to section 4 of the SDS for most important symptoms and effects. physical, chemical, and toxicological characteristics Delayed and immediate effects and chronic effects from short- and long-term exposure Acute toxicity This product is not classified as an acute toxicity hazard. Skin corrosion/irritation No data available Serious eye damage/eye irritation No data available **Respiratory sensitization** No data available Skin sensitization No data available Germ cell mutagenicity No data available Carcinogenicity IARC Monographs. Overall Evaluation of Carcinogenicity Not listed OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096) Not regulated US National Toxicology Program (NTP) Report on Carcinogens Not listed

NOT IISTED		
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		
Ecotoxicity	This product is not classified as environmentally hazardous.	
Persistence and degradability	No data available	
Bioaccumulative potential	No data available	
Mobility in soil	No data available	
Other adverse effects	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

DOT	Not regulated as dangerous goods
ΙΑΤΑ	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods

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

Not regulated

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

Not regulated

Pennsylvania Worker and Community Right-to-Know Act

Not regulated

Rhode Island Right-to-Know Act

Not regulated

SECTION 16: Other Information

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N/A

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Identification: remove obsolete product number.