

SAFETY DATA SHEET

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

SECTION 1: Identification

| Product identifier | |
|-------------------------------------|--|
| Product name | Hardness Reagent |
| Product number | R-0012 |
| Recommended use and restrictions | To be used in accordance with manufacturer instructions or under the direct guidance of the manufacturer. |
| Manufacturer | Taylor Technologies, Inc. 31 Loveton Circle Sparks, MD 21152 Phone: (410) 472-4340 Emergency phone: (800) 837-8548 |
| FCTION 2 [.] Hazard(s) ide | entification |

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| Physical hazards | No data available |
|-------------------------------------|---|
| Health hazards | No data available |
| Environmental hazards | No data available |
| Label elements Hazard pictograms | No data available |
| Signal word | No data available |
| Hazard statements | No data available |
| Precautionary statements | |
| Prevention | No data available |
| Response | No data available |
| Storage | Keep tightly capped. Store out of direct sunlight between 36°F–85°F. |
| Disposal | No data available |
| Hazards not otherwise classified | 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. |

SECTION 3: Composition/information on ingredients

| WIXLUIE | | | |
|--|--------------------------|------------|----------|
| Chemical name | Common name and synonyms | CAS number | % |
| Water | Dihydrogen oxide | 7732-18-5 | 95–99 |
| Ethylenediaminetetraacetic acid EDTA 60-00-4 | | | 0.1–5 |
| Other components below reportable levels | v | | 0.01–0.1 |

SECTION 4: First-aid measures

If inhaled

Mixtura

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

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.

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 mediaUse extinguishing media appropriate for surrounding fire.Unsuitable extinguishing mediaDo not use a heavy water stream. Use of heavy stream of water may spread fire.Specific hazards arising from the substance or mixture Fire hazardNot flammableExplosion hazardNot explosiveReactivityHazardous reactions will not occur under normal conditions.Hazardous combustion productsHydrogen chloride gas and magnesium oxidePrecautionary measuresExercise caution when fighting any chemical fire; hazardous fumes will be present.Firefighting equipment/instructionsUse water spray or fog for cooling exposed containers.Protection during firefighting Other informationDo not enter fire area without proper protective equipment, including respiratory protection.Refer to section 9 of the SDS for flammability properties.SECTION 6: Accidental release measures | | | |
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| Other information Refer to section 9 of the SDS for flammability properties. | | 5 5 | Use water spray or fog for cooling exposed containers. |
| | | Protection during firefighting | Do not enter fire area without proper protective equipment, including respiratory protection. |
| SECTION 6: Accidental release measures | | Other information | Refer to section 9 of the SDS for flammability properties. |
| | SE | CTION 6: Accidental rele | ase 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 recover, 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 No occupational exposure limits noted for the ingredient(s)

Biological limit values No biological exposure limits noted for the ingredient(s)

Exposure controls

controls

Appropriate engineering 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. |
| 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

| and chemical properties Physical state | Liquid |
|--|--|
| • | - |
| Form | |
| Color | Clear, colorless or nearly colorless |
| Odor Odor threshold | Odorless |
| Odor threshold | No data available |
| pH From and the mate | 8.1 |
| Evaporation rate | No data available |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | 212°F (100°C) |
| Flash point | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | No data available |
| Vapor pressure | 17 mm Hg |
| Relative vapor density | 0.6 |
| 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 |
| CTION 10: Stability and r | reactivity |
| Reactivity | Hazardous reactions will not occur under normal conditions. |
| Chemical stability | Stable under recommended handling and storage conditions (refer to section 7 of the SDS) |
| Possibility of hazardous reactions | 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 | Acids, metals, and strong oxidizing agents |
| CTION 11: Toxicological | information |
| Information on toxicological | |
| effects | |
| Inhalation | May cause irritation to the respiratory system |
| Skin contact | May cause slight or mild transient irritation |
| Eye contact | May cause slight or mild transient irritation |
| Ingestion | May cause irritation, nausea, vomiting, and diarrhea |
| Most important symptoms/effects, acute and | Direct skin contact may cause slight or mild transient irritation. Symptoms may include redness an itching. |
| delayed | Direct eye contact may cause slight or mild transient irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| | |

Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Acute toxicity

This product is not classified as an acute toxicity hazard. See below for individual ingredient acute toxicity data.

| | toxiony data. | | | |
|--|-------------------|---------|--------------|--|
| Components | | Species | Test Results | |
| Ethylenediaminetetraacetic acid | I (CAS 60-00-4) | | | |
| Acute | | | | |
| Oral | | | | |
| LD ₅₀ | | Rat | 4500 mg/kg | |
| Acute toxicity | No data available | | | |
| Respiratory or skin sensitization | No data available | | | |
| Germ cell mutagenicity | No data available | | | |
| Carcinogenicity | No data available | | | |
| 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

This product is not classified as environmentally hazardous; however, this does not exclude the possibility that 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

No data available

SECTION 15: Regulatory information

No data available

SECTION 16: Other information

| NFPA Rating | |
|---------------|-----|
| Health hazard | 0 |
| Fire hazard | 0 |
| Reactivity | 0 |
| Specific | N/A |
| | |

Disclaimer

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