

# SAFETY DATA SHEET

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

Revision: 06/24/2021

# SECTION 1: Identification

**Product identifier** 

restrictions

Product name Zinc 3 – Reagent D

Product number R-8019D

Recommended use and

guidance of the manufacturer.

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

**Emergency phone number** 

CHEMTREC, United States 1-800-424-9300 – 24-hour service CHEMTREC, International +1 703-741-5970 – 24-hour service

# SECTION 2: Hazard(s) Identification

Physical hazards Not applicable

Health hazards Eye damage/irritation Category 1

Specific target organ toxicity, repeated exposure, Category 2

respiratory tract

**Environmental hazards** 

Not currently regulated by OSHA. For additional information, refer to section 12 of the SDS.

Water analysis. To be used in accordance with manufacturer instructions or under the direct

Label elements

Hazard pictograms



Signal word Danger

Hazard statements Causes serious eye damage. May cause damage to organs (respiratory tract) through

prolonged or repeated exposure.

Precautionary statements

Prevention Wear eye protection/face protection if contact is likely to occur. Do not breathe dust or mist.

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 EXPOSED OR CONCERNED: Get medical advice/attention if you feel unwell.

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.

Hazards not otherwise classified Not applicable

# SECTION 3: Composition/Information on Ingredients

Mixture

Chemical nameCommon name and synonymsCAS number% w/wWaterDihydrogen oxide7732-18-560-80EDTA tetrasodium saltEthylenediaminetetraacetic acid tetrasodium salt hydrate10378-23-110-30

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

# 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.

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#### 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 corrosive burns. Symptoms may include pain, redness or swelling. Scarring or permanent damage, including blindness, could result. 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, 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 Use water spray or fog for cooling exposed containers.

equipment/instructions

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 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 large 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

Contains no ingredients with occupational exposure limit values.

### **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

Odor Odorless

Odor threshold No data available No data available Hq 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 Not applicable 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 No data available

Partition coefficient (n-octanol/water)

Viscosity

No data available
Explosive properties

Not explosive
Oxidizing properties

Not oxidizing

No data available

# SECTION 10: Stability and Reactivity

**Reactivity** Hazardous reactions will not occur under normal conditions of use, storage, and transport.

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 Strong acids. Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products known.

# SECTION 11: Toxicological Information

### Information on likely routes of exposure

Inhalation Avoid inhalation of this product. Use in a well-ventilated area. Skin contact Protect exposed skin from contact. Use caution to avoid splashes.

Eye contact Avoid close eye contact; Use caution to avoid splashes. Wear eye protection.

Ingestion Avoid accidental ingestion by observing good hygiene practices. Wash hands thoroughly after

handling this product.

Symptoms related to the physical, chemical, and

Corrosive eye damage may occur. May cause damage to organs through prolonged or

repeated exposure.

toxicological characteristics

Refer to section 4 of the SDS for most important symptoms and effects.

# 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. Acute toxicity estimate (ATE) has

been calculated based on chapter 3 of GHS.

0% of the mixture consists of ingredient(s) with unknown acute oral toxicity.

### Product acute toxicity estimate (ATE)

ATEmix (Oral) > 2000 mg/kg**ATEmix (Dermal)** No data available ATEmix (Inhalation) No data available

#### **Species** Component(s) Acute toxicity data

### EDTA tetrasodium salt dihydrate (CAS 10378-23-1)

LD50 (Oral) Rat 630-1260 mg/kg (Source: vendor)

LD50 (Dermal) Not applicable No data available LC50 (Inhalation) Not applicable No data available

Skin corrosion/irritation No data available

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 listed

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

Not regulated

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

Not listed

Reproductive toxicity No data available Specific target organ toxicity No data available (single exposure)

Specific target organ toxicity

May cause damage to organs (respiratory tract) through prolonged or repeated exposure.

(repeated exposure) **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

IATA

Not regulated as dangerous goods

Not regulated as dangerous goods

Not regulated as dangerous goods

### 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

Chemical name CAS number

EDTA tetrasodium salt dihydrate 10378-23-1

### 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)

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

# 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

#### **NFPA Rating**

Health hazard 3
Fire hazard 0
Reactivity 0
Specific N/A

#### **Disclaimer**

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#### Issue date:

May 2015

### **Revision date:**

06/24/2021

#### **Revision information:**

This document embodies significant change(s) that may impact classification, safe handling, or health information for the associated product(s). The information contained herein should be reviewed in its entirety before handling material.