

Complexing Reagent

Safety Data Sheet



Section 1

Product Description

Product Name: Complexing Reagent
Manufacturer Number: C03300-A
Distributor: Best Sanitizers, Inc.
PO Box 1360 Penn Valley, CA 95946

Emergency telephone number:
Aquaphoenix Scientific 1.800.255.3924

Section 2

Hazard Identification

Not Classified for physical or health hazard.

Hazard Statements

None

Section 3

Composition/Information on Ingredients

| Chemical Name | CAS No. | Weight-% |
|-------------------------|-----------|----------|
| EDTA Disodium Dihydrate | 6381-92-6 | < 40 |
| Deionized Water | 7732-18-5 | > 60 |

Section 4

First Aid Measures

First Aid Measures

Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). If eye irritation persists: Get medical advice/attention.

Skin Contact

Wash off immediately with soap and plenty of water. Rinse/flush exposed skin gently using water for 15-20 minutes. Get medical attention.

Inhalation

Remove to fresh air. If necessary, provide artificial respiration. Loosen clothing and position individual in a comfortable position. Get medical assistance if cough or other symptoms appear.

Safety Data Sheet

Ingestion

Do NOT induce vomiting. Rinse mouth thoroughly. Have exposed individual drink sips of water.

Most important symptoms and effects, both acute and delayed

Irritation. Nausea. Headache. Shortness of breath. Coughing.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

Section 5

Fire-Fighting Measures

Suitable Extinguishing Media

Dry Chemical, Water spray, Carbon dioxide (CO₂), Foam.

Unsuitable Extinguishing Media

No Information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors.

Protective Equipment and Precautions for Firefighters

For emergency responders, personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Transfer to a dioposal. Isolate area. Keep unnecessary personnel away.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

Section 6

Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

If necessary use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations. Ensure adequate ventilation.

Methods and material for containment and cleaning up

If necessary use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations.

Section 7

Handling and Storage

Precautions for Safe Handling

Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Absorb spillage to prevent material damage. If in a laboratory setting, follow Chemical Hygiene Plan. Provide ventilation for containers. Store away from foodstuffs. Store away from oxidizing agents. Store with like hazards. Store in cool, dry conditions.

Section 8

Protection Information

Exposure Guidelines

Appropriate Engineering Controls

Engineering Controls Showers, eyewash stations, ventilation system.

Individual Protection Measures, such as personal protective equipment

| | |
|--------------------------------|---|
| Eye/Face protection | Wear safety glasses with side shields (or goggles). |
| Skin and body protection | Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| General Hygiene Considerations | Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product. Do not inhale gases/fumes/dust/mist/vapor/aerosols. |

Section 9

Physical and Chemical Properties

Information on basic physical and chemical properties

| | | | |
|-----------------|--------------------------|-----------------|------------------|
| Formula: | See Section 3 | Physical State: | Liquid |
| Odor: | Odorless | Appearance: | Aqueous solution |
| Odor Threshold: | No Information Available | Color: | Clear |

Property

Values

| | |
|------------------------------|--------------------------|
| pH | Not Determined |
| Melting Point/Freezing Point | Approximately 0°C |
| Boiling Point/ Boiling Range | Approximately 100°C |
| Flash Point | No information available |
| Evaporation rate | No information available |
| Flammability (solid, gas) | No information available |

Safety Data Sheet

| | |
|---------------------------|--------------------------|
| Flammability Limit in Air | |
| Upper flammability limit: | No information available |
| Lower flammability limit: | No information available |
| Vapor pressure: | No information available |
| Vapor density: | > 1 |
| Specific Gravity | 2.04 |
| Water solubility | Soluble in water |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

Section 10

Stability and Reactivity Data

| | |
|---|--|
| Reactivity | None under normal processing. |
| Chemical Stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Conditions to avoid | Incompatible materials. |
| Incompatible materials | Strong oxidizing agents. Strong acids. Strong bases. Copper. Aluminum. Metals. |
| Hazardous Decomposition Products | Nitrogen oxides (NO _x), sodium oxides. Carbon oxides (CO, CO ₂). |

Section 11

Toxicity Data

| Acute Toxicity: | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------------|------------------|-------------|-----------------|
| Disodium Anhydrous (6381-92-6) | 2000 mg/kg (Rat) | - | - |

| | |
|-----------------------------|----------------------------------|
| Chronic Toxicity: | No additional Information |
| Corrosion Irritation: | No additional Information |
| Sensitization: | No additional Information. None. |
| Single Target Organ (STOT): | No additional Information. None. |
| Numerical Measures: | No additional Information. |
| Carcinogenicity: | No additional Information. |
| Mutagenicity: | No additional Information. None. |
| Reproduce Toxicity: | No additional Information. None. |

Safety Data Sheet

Section 12

Ecological Data

Ecotoxicity

None.

Persistence and degradability

Readily Biodegradable.

Bioaccumulation potential

Not bioaccumulative.

Mobility in soil

None.

Other adverse effects

No information available

Section 13

Disposal Information

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

Section 14

Transport Information

DOT:

Not Regulated

Section 15

Regulatory Information

International Inventories

TSCA

Complies

DSL/NDSL

Complies

Safety Data Sheet

TSCA—United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL— Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312

None of the ingredients is listed

CWA (Clean Water Act)

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

6381-92-6 EDTA Disodium Dihydrate 5000 lb

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Section 16

Additional Information

| <u>HMIS</u> | Health Hazards | Flammability | Physical Hazards | Personal protection |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| | 1 | 0 | 0 | X |

Prepared by: Technical Department

Revision Date January 2, 2020

Version 4

Revision Note Annual Review

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet