

Bioland Scientific LLC

Material Safety Data Sheet

Version 1.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	0.5M EDTA, pH8.0
Catalog Number	EDTA01
Brand	Bioland Chemicals
Company	Bioland Scientific LLC 14925 Paramount Blvd., Suite C Paramount, CA 90723 USA
Telephone	1-562-602-8882
Fax	1-562-733-6008
Emergency Phone #	1-562-377-2668

2. HAZARDS IDENTIFICATION

GHS – Classification

Signal Word

WARNING



Health Hazard

Skin Corrosion/Irritation	Category 2
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Serious Eye Damage/Eye Irritation	Category 2
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Physical Hazards

Not hazardous

Hazard Statements

H315 – Causes mild skin irritation

H319 – Causes serious eye irritation

Precutionary Statements

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower P332 + P313 - If skin irritation occurs: Get medical advice/attention P337 + P313 - If eye irritation persists: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse P312 - Call a POISON CENTER or doctor/physician if you feel unwell

Principle Routs of Exposure / Potential Healthe Effects

Eyes	Irritating to eyes
Skin	Irritating to skin
Inhalation	Irritating to respiratory system
Ingestion	May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea

Specific Effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	No information available

HMIS Classification

Health:	2
Flammability:	0
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous/Non-hazardous Components**

Chemical Name	CAS-No	Weight %
Ethylenediaminetetraacetic acid -disodium salt	139-33-3	10-30
Sodium hydroxide	1310-73-2	<2

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. FIRST AID MEASURES

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Inhalation	Move to fresh air.
Skin contact	Wash off immediately with plenty of water.
Ingestion	Never give anything by mouth to an unconscious person.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for Disposal.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

7. HANDLING AND STORAGE

Handling

Always wear recommended Personal Protective Equipment. No special handling advice required.

Storage

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Ethylenediaminetetraacetic acid -disodium salt	-	-	-	-
Sodium hydroxide	2mg/m ³	-	-	-

Engineering measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment

Hand protection

Protective gloves

Eye protection

Safety glasses with side-shields

Skin and body protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls

Prevent product from entering drains. Do not allow material to contaminate ground water system.

9. Physical and chemical properties

General Information

Form: Liquid

Important Health Safety and Environmental Information

Boiling Point/Range	No Data Available
Melting Point/Range	No Data Available
Flash Point	No Data Available
Autoignition Temperature	No Data Available
Oxidizing properties	No information available
Water solubility	No data available

10. STABILITY AND REACTIVITY

Stability	Stable.
Materials to avoid	No information available
Hazardous decomposition products	No information available
Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Ethylenediaminetetraacetic acid -disodium salt	= 2 g/kg (Rat)	no data available	no data available
Sodium hydroxide	500 mg/kg	1350 mg/kg (Rabbit)	no data available

Principle Routes of Exposure/Potential Health effects

Eyes	Irritant to eyes
Skin	Irritant to skin
Inhalation	Irritant to respiratory system
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available.
Mobility	No information available
Biodegradation	Inherently biodegradable.
Bioaccumulation	Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA
Ethylenediaminetetraacetic acid -disodium salt	Listed
Sodium hydroxide	Listed

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Ethylenediaminetetraacetic acid -disodium salt	-	-	-	-	-
Sodium hydroxide	Listed	Listed	Listed	-	Listed

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

D2B Toxic materials

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

For research use only

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet