SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	EDTA Disodium Salt 1.0M Solution
CAS number	See Section 3
Synonyms	EDTA disodium salt dihydrate solution

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute Oral Toxicity	Category 4
Skin Corrosion / Irritation	Category 2
Eye Damage / Irritation	Category 1
Specific Target Organ Toxicity (single exposure)	Category 1

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal Word	Danger
Hazard statements	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Causes damage to organs.
Precautionary statements	Prevention: Do not breathe fumes, mist, vapors, or spray. Wash arms, hands, and face thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye protection. Response: IF exposed, immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water immediately). IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash it before reuse. Storage: Store locked up. Disposal: Dispose of contents in accordance with local, state, federal, and international regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Data not available.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Deionized Water	Aqua; H2O	7732-18-5	66 - 67%
EDTA, Disodium	Edetate disodium salt dihydrate; EDTA disodium salt dihydrate	6381-92-6	28.88%
Sodium Hydroxide	Caustic soda	1310-73-2	4 - 5%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled	Not expected to require first aid. If necessary, remove to fresh air.
In case of skin	Wash with plenty of soap and water. May cause slight irritation.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause slight
If swallowed	Call a POISON CENTER or physician if you feel unwell. Dilute with water or milk. Call a physician if necessary.

4.2 Most important symptoms and effects, both acute and delayed

Non-flammable, non-corrosive, non-toxic. Does not present any significant health hazards. Wash areas of contact with water. EYE CONTACT: May cause slight irritation. SKIN CONTACT: May cause slight irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water immediately).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Use any means suitable for extinguishing surrounding fire.
Unsuitable extinguishing media	No information available.

5.2 Specific hazards arising from the substance or mixture

Not considered to be a fire or explosion hazard.

5.3 Special protective equipment and precautions for firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

5.4 Further information

Flash Point	No information available.
Autoignition Temperature	No information available.

Explosion limits

Upper	No data available.
Lower	No data available.
Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.

NFPA

Health	Flammability	Instability	Physical hazards

1	0	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective gloves and eye protection.

6.2 Environmental precautions
No information available.

6.3 Methods and materials for containment and cleaning up
Absorb with suitable material (paper towels, etc.) and treat as normal refuse if local regulations allow. Liquid may be flushed to the sewer. Always dispose of in accordance with local, state, and federal regulations.

6.4 Reference to other sections
See Section 2 for full list of hazard and precaution statements.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions on safe handling
As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
Store locked up. Protect from freezing and physical damage.

Incompatibilities
Acids, Flammable liquids, Aluminum, Tin, Zinc.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

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

Component	Type	Value
Sodium hydroxide	TWA	2 mg/m3
	Ceiling	2 mg/m3

US. ACGIH Threshold Limit Values

Component	Type	Value

Sodium hydroxide	Ceiling	2 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
Sodium hydroxide	IDLH	10 mg/m3
	Ceiling	2 mg/m3

Biological occupational exposure limits
No information available.

8.2 Exposure controls

Appropriate engineering controls
No specific controls are needed. Normal room ventilation is adequate.

Personal protective equipment

Eye/face protection
Wear eye protection. Safety glasses or goggles.

Skin protection
Wear protective gloves. Chemical resistant gloves.

Body Protection
Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory protection
Normal room ventilation is adequate.

Control of environmental exposure
No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	Data not available
Odor Threshold	Data not available
pH	Data not available
Melting Point/Range	Data not available
Boiling Point/Range	Approximately 100°C
Evaporation Rate	Data not available
Flammability (solid)	Data not available
Flammability or explosive limit	
Upper	Data not available

Lower	Data not available
Vapor Pressure	Data not available
Vapor Density	Data not available
Density	1.16 @ 20ºC
Solubility	Miscible
Partition coefficient; n-octanol/water	Data not available
Autoignition Temp	Data not available
Decomposition Temp	Data not available
Viscosity	Data not available
Molecular Formula	N/A
Molecular Weight	N/A
VOC Content(%)	Data not available
Oxidizing properties	Data not available

9.2 Other safety information No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No information available.

10.2 Chemical stability
Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions
No information available.

10.4 Conditions to avoid
Incompatible materials.

10.5 Incompatible materials
Acids, Flammable liquids, Aluminum, Tin, Zinc.

10.6 Hazardous decomposition products
Will not occur.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
EDTA disodium	> 2 g/kg (Rat)	-	-
Sodium hydroxide	140-340 mg/kg (Rat)	1350 mg/kg (Rabbit)	-

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye damage.

Respiratory or skin sensitization
Not applicable.

Germ cell mutagenicity
Not applicable.

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed
EDTA disodium dihydrate	6381-92-6	Not listed	Not listed	Not listed	Not listed	Not listed
Sodium hydroxide	1310-73-2	Not listed	Not listed	Not listed	Not listed	Not listed

Specific target organ toxicity - single exposure
Causes damage to organs.

Specific target organ toxicity - repeated exposure
Not applicable.

Reproductive toxicity
Not applicable.

Chronic effects
Not applicable.

11.2 Additional Information
No information available.

SECTION 12: Ecological information

12.1 Toxicity

Product		Species	Test Results
EDTA disodium	LC50	Leuciscus idus	> 500 mg/L 96h
	EC50	Microtox	56 mg/L 8h
	EC50	Water Flea	> 100 mg/L 24h
Sodium hydroxide	LC50	Oncorhynchus mykiss	45.4 mg/L 96h static

12.2 Persistence and degradability
No information available.

12.3 Bio accumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Endocrine disrupting properties
No information available.

12.7 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: Transport information

DOT (US) Not regulated.

IMDG Not regulated.

IATA Not regulated.

SECTION 15: Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not applicable.

CERCLA Hazardous Substance List (40 CFR 302.4)
Listed, Sodium hydroxide (CAS #1310-73-2), RQ: 1000 lb.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

See Section 2 for more information.

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Water Act (CWA) - Hazardous Substances

Listed, Sodium hydroxide (CAS #1310-73-2), RQ: 1000 lb.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Not listed.

US state regulations

US. Massachusetts RTK - Substance List

Listed, Sodium hydroxide (CAS #1310-73-2).

US. New Jersey Worker and Community Right-to-Know Act

Listed, Sodium hydroxide (CAS #1310-73-2).

US. Pennsylvania Worker and Community Right-to-Know Law

Listed, Sodium hydroxide (CAS #1310-73-2).

California Proposition 65

Not listed.

SECTION 16: Other information

Issue Date: 05/01/2015
Revision Date: 11/09/2026

SECTION 17: Disclaimer

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.