



Issuing Date: 29-Jan-1997

Revision Date: 12-July-2018

Rev. 6

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

Product Name: 0.5M EDTA Solution
Product Code: IB70184 & IB70185
Recommend Use: For further manufacturing use only
Not for human or animal drug use
Company: IBI SCIENTIFIC
7445 Chavenelle Road
Dubuque, IA 52002
Emergency Tele. Number: 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703
Company Tele. Number: 1-800-253-4942 / (001) 563-690-0484
E-Mail Address: info@ibisci.com

2. HAZARDOUS IDENTIFICATION

GHS – Classification

Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation Category 1 Sub-category
Serious Eye Damage/Eye Irritation Category 1

Signal Word: Danger



Appearance: Colorless to slightly yellow, haze-free

Physical State: Liquid

Odor: No information available

Hazard Statements: H314-Causes severe skin burns and eye damage

Precautionary Statements: P260-Do not breathe dusts or mists * P264-Wash face, hands, and any exposed skin thoroughly after handling * P280-Wear protective gloves/protective clothing/eye protection/face protection * P310-Immediately call a POISON CENTER or doctor * P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. * P310-Immediately call a POISON CENTER or doctor * P303+P361+P353-IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower/wash contaminated clothing before reuse * P304+P340-IF INHALED: Remove person to fresh air and keep comfortable for breathing * P310-Immediately call a POISON CENTER or doctor *

P301+P330+P331-IF SWALLOWED: Rinse mouth. Do NOT induce vomiting * P405-Store locked up * P501-Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified: Not regulated

Other Information: May be harmful if swallowed
May be harmful in contact with skin
Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	EDTA, Disodium dehydrate	Sodium hydroxide
EC No.:	EEC No. 200-449-4	EEC No. 215-185-5
REACH Reg. No.:	Not Available	Not Available
CAS No.:	6381-92-6	1310-73-2
Weight %:	10 – 20	5 - 10
Classification:	-	C; R35

4. FIRST AID MEASURES

Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact:	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth.
Notes to Physician:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous Combustion Products:	Carbon oxides, Nitrogen oxides (NOx)
Explosion Data	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
Protective Equip. & Precautions for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation, especially in confined areas.
Environmental Precautions:	See Section 12 for additional ecological information.
Methods for Containment:	Prevent further leakage or spillage, if safe to do so.
Methods for Cleaning Up:	Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice.
Storage: Keep container tightly closed in a dry, cool, and well-ventilated place.
Incompatible Products: Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	EDTA, disodium dehydrate #6381-92-6	Sodium hydroxide - #1310-73-2
ACGIH TLV:	-	-
OSHA PEL:	-	TWA: 2mg/m ³
NIOSH IDLH:	-	IDLH: 10mg/m ³ Ceiling: 2mg/m ³

Engineering Measures: Showers, Eyewash Stations, Ventilation Systems

Personal Protective Equipment

Eye/Face Protection: Avoid contact with eyes. Safety glasses with side-shields.
Skin & Body Protection: Wear protective gloves/clothing.
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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to slightly yellow haze-free liquid
Odor:	No information available
Odor Threshold:	No information available
Decomposition Temp. °C:	No information available
Freezing Point:	No information available
Initial Boiling Point:	No information available
Physical State:	Liquid
pH:	No data available
Flash Point:	Not determined
Autoignition Temp. °C:	No data available
Boiling Point/Range:	No data available
Melting Point/Range:	No data available
Flammability Limits (Air):	<u>Upper</u> -No data available * <u>Lower</u> -No data available
Explosion Limits	No information available
Explosive Properties:	No information available
Oxidizing Properties:	No information available
Evaporation Rate:	No information available
MMHG @ 37.8°C:	No data available
Vapor Density:	No data available
Specific Gravity:	No data available
Solubility:	No information available
Partition Coefficient (n-octanol/water):	No data available
Viscosity:	No information available

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions
Incompatible Products: Strong oxidizing agents
Conditions to Avoid: Extremes of temperature and direct sunlight
Hazardous Decomposition Products: Carbon oxides, Nitrogen oxides (NOx)
Hazardous Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information:	Inhalation	There is no data available for this product
	Eye Contact	May cause irreversible damage to eyes
	Skin Contact	Causes burns
	Ingestion	There is no data available for this product.

Chemical Name:	<u>EDTA, disodium dehydrate - #6381-92-6</u>	<u>Sodium hydroxide - #1310-73-2</u>
LD50 Oral:	-	-
LD50 Dermal:	-	1350mg/kg (Rabbit)
LC50 Inhalation:	-	-

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available

Mutagenic Effects No information available

Carcinogenicity No information available

Chemical Name:	<u>EDTA, disodium dehydrate - #6381-92-6</u>	<u>Sodium hydroxide - #1310-73-2</u>
ACGIH:	-	-
IARC:	-	-
NTP:	-	-
OSHA:	-	-

Reproductive Toxicity No information available

STOT – single exposure No information available

STOT – repeated exposure No information available

Aspiration hazard No information available

Numerical measures of toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document.

12. ECOLOGICAL INFORMATION

Ecotoxicity: 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name:	<u>EDTA, disodium dehydrate - #6381-92-6</u>	<u>Sodium hydroxide - #1310-73-2</u>
Algae/aquatic plants:	-	-
Toxic to Fish:	-	LC50=45.4mg/L Oncorhynchus mykiss (96h)
Crustaceans:	-	-

Persistence and Degradability: No information available

Bioaccumulation/Accumulation: No information available

Chemical Name:	<u>EDTA, disodium dehydrate - #6381-92-6</u>	<u>Sodium hydroxide - #1310-73-2</u>
Partition coefficient	-	-

Other Adverse Effects: No information available

13. DISPOSAL CONSIDERATIONS

Water Disposal Method: Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging: Dispose of in accordance with all federal, state, and local regulations.

14. TRANSPORT INFORMATION

IATA

Not regulated

US DOT

Not regulated

15. TOXICOLOGICAL INFORMATION

REACH Title VII Restrictions

Chemical Name:	No information available	
Dangerous Substances:	<u>EDTA, Disodium dehydrate</u>	<u>Sodium hydroxide</u>
Organic Solvents:	Not applicable	>=>=1% weight
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable	Not applicable
Pollution Release and Transfer Registry (Class II):	Not applicable	Not applicable
Pollution Release and Transfer Registry (Class I):	Not applicable	Not applicable
Poison and Deleterious Substances Control Law:	Not applicable	Deleterious
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable	Not applicable
ISHA – Harmful Substances Requiring Permission:	Not applicable	Not applicable
Toxic Chemical Classification Listing (TCCL):	Not applicable	97-1-136, 5% or more in mixtures
Toxic Release Inventory (TRI) – Group I:	Not applicable	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable	>=1.0%

International Inventories

TSCA:	Does not comply
DSL/NDSL:	Complies
EINECS/ELINCS:	Does not comply
ENCS:	Does not comply
IECSC:	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

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

Clean Air Act

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA

The material, as supplied, contains one or more substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name:

	<u>EDTA, disodium dehydrate - #6381-92-6</u>	<u>Sodium hydroxide - #1310-73-2</u>
Hazardous Substances RQs	-	1000lbs
Extremely Hazardous Sub. RQs:	-	-
RQ	-	RQ 1000lbs final RQ RQ 454kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name:	<u>EDTA, disodium dehydrate - #6381-92-6</u>	<u>Sodium hydroxide - #1310-73-2</u>
New Jersey	-	X
Massachusetts	-	X
Pennsylvania	-	X

EPA Pesticide Registration Number Not regulated

International Regulations

Mexico No information available

Canada No information available

WHMIS Hazard Class

D2B – Toxic materials



16. OTHER INFORMATION

Issuing Date:	29-Dec-1997
Revision Date:	12-July-2018
Revision Note:	Updated address and logo
Recommended Restrictions:	No information available
Disclaimer:	The information provided on this SDS 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 test.

End of Safety Data Sheet