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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](mailto: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**

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

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

**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

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

<b>Chemical Name:</b>	<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

<b>Chemical Name:</b>	<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.

<b>Chemical Name:</b>	<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

<b>Chemical Name:</b>	<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**

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

**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**