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Rev. 4

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

Product Name: 1X Modified Dellaporta Extraction Buffer w/SDS
Product Code: IB70140
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: Skin Sensitizer 1 Respiratory Sensitizer 1 Skin Irritant 2 Eye Irritant 2 Aquatic Toxicity (short term) 2
Signal Word: Danger



Hazard Statements: H317-May cause an allergic skin reaction * H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled * H315-Causes skin irritation * H319-Causes serious eye irritation * H335-May cause respiratory irritation * H303-May be harmful if swallowed * H313-May be harmful in contact with skin * H401-Toxic to aquatic life.

Precautionary Statements: P261-Avoid breathing dust/fume/gas/mist/vapors/spray * P280-Wear protective gloves/protective clothing/eye protection/face protection * P302+P352-IF ON SKIN: Wash with plenty of soap and water * P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing * P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	Trade Secret	Trade Secret
EC No.:	Listed	Listed
REACH Reg. No.:	Not Available	Not Available
CAS No.:	-	-
Weight %:	2 – 3	0.5 – 1.5
Classification:	Xi;R36/37/38	-

4. FIRST AID MEASURES

Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and 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 breathing is difficult, give oxygen.
Ingestion:	Clean mouth with water and afterwards drink plenty of water.
Notes to Physician:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Dry chemical, CO ₂ , water spray or regular foam
Hazardous Combustion Products:	Carbon oxides
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:	Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation.
Methods for Containment:	Prevent further leakage or spillage, if safe to do so.
Methods for Cleaning Up:	Absorb with sand or vermiculite. Pick up and transfer to properly labeled containers. 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

Engineering Measures:	Showers, Eyewash Stations, Ventilation Systems
<u>Personal Protective Equipment</u>	
Eye/Face Protection:	Tight fitting safety goggles.
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:	No information available
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
Flammable Properties	Flammable liquid
Autoignition Temp. °C:	No data available
Boiling Point/Range:	No information available
Melting Point/Range:	No information available
Flammability Limits (Air):	<u>Upper</u> - No data available * <u>Lower</u> - No data 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 data 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:	None known based on information supplied
Hazardous Decomposition Products:	Carbon oxides, Sulfur oxides, Nitrogen oxides (NOx)
Hazardous Polymerization:	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

<u>Acute Toxicity</u>		
Product Information:	Sensitizer. Causes skin, eye, and respiratory tract irritation. May be harmful if swallowed. May be harmful if absorbed through skin.	
Chemical Name:	Trade Secret	Trade Secret
LD50 Oral:	5900mg/kg (Rat)	1288mg/kg (Rat)
LD50 Dermal:	-	580mg/kg (Rabbit)
LC50 Inhalation:	-	3900mg/m ³ (Rat) 1hr

Chronic Toxicity

Chronic Toxicity: No known effect based on information supplied.
Target Organ Effects: None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic organisms

Chemical Name: Trade Secret

Toxicity to Algae: EC50 = 3.59 – 15.6mg/L (96h)
EC50 = 117mg/L (96h)
EC50 = 53mg/L (72h)
EC50 = 30 - 100mg/L (96h)

Toxicity to Fish: LC50 = 15 – 18.9mg/L Pimephales promelas (96h)
LC50 = 4.06 – 5.75mg/L Lepomis macrochirus (96h)
LC50 = 4.2 – 4.8mg/L Lepomis macrochirus (96h)
LC50 = 6.2 – 9.6mg/L Pimephales promelas (96h)
LC50 = 4.2mg/L Oncorhynchus mykiss (96h)
LC50 = 13.5 – 18.3mg/L Poecilia reticulata (96h)
LC50 = 5.8 – 7.5mg/L Pimephales promelas (96h)
LC50 = 9.9 – 20.1mg/L Brachydanio rerio (96h)
LC50 = 10.2 – 22.5mg/L Pimephales promelas (96h)
LC50 = 8 – 12.5mg/L Pimephales promelas (96h)
LC50 = 4.5mg/L Lepomis macrochirus (96h)
LC50 = 4.62mg/L Oncorhynchus mykiss (96h)
LC50 = 10.8 – 16.6mg/L Poecilia reticulata (96h)
LC50 = 22.1 – 22.8mg/L Pimephales promelas (96h)
LC50 = 4.3 – 8.5mg/L Oncorhynchus mykiss (96h)
LC50 = 1.31mg/L Cyprinus carpio (96h)
LC50 = 7.97mg/L Brachydanio rerio (96h)

Microtox -

Daphnia Magna (Water Flea): -

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:	Trade Secret	Trade Secret
Organic Solvents:	Not applicable	Not applicable
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	Not applicable
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	Not applicable
Toxic Release Inventory (TRI) – Group I:	Not applicable	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable	Not applicable

International Inventories

TSCA:	Complies
DSL:	Complies
EINECS/ELINCS:	Complies
ENCS:	Complies
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 which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.

CERCLA

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

International Regulations

Mexico

No information available

Canada

WHMIS Hazard Class

D2A – Very toxic materials

D2B – Toxic materials



16. OTHER INFORMATION

Issuing Date: 01-Nov-2011

Revision Date: 09-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