



Issuing Date: 13-Jan-1997

Revision Date: 12-July-2018

Rev. 5

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

Product Name: 20X SSC Buffer Concentrate
Product Code: IB72010
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 Irritant 2 Eye Irritant 2
Signal Word: Warning



Hazard Statements: H315-Causes skin irritation * H319-Causes serious eye irritation * H335-May cause respiratory irritation.

Precautionary Statements: 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: Sodium chloride
EC No.: EEC No. 231-598-3
REACH Reg. No.: Not Available
CAS No.: 7647-14-5
Weight %: 15 – 25
Classification: -

4. FIRST AID MEASURES

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| 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

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| Flammable Properties: | Not flammable |
| Flash Point: | Not determined |
| Suitable Extinguishing Media: | Dry chemical, CO ₂ , water spray, regular foam |
| Hazardous Combustion Products: | Carbon oxides, Nitrogen oxides (NO _x) |
| 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

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| 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: | Cover with dry lime or soda ash. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete. |

7. HANDLING AND STORAGE

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| 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

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| Engineering Measures: | Showers, Eyewash Stations, Ventilation Systems |
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Personal Protective Equipment

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| 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

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| Appearance: | Clear and colorless |
| 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

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| 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, Nitrogen oxides (NO _x) |
| Hazardous Polymerization: | Hazardous polymerization does not occur. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

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| Product Information: | Irritating to eye, skin, and respiratory system. |
| Chemical Name: | Sodium chloride - #7647-14-5 |
| LD50 Oral: | 3g/kg (Rat) |
| LD50 Dermal: | 10g/kg (Rabbit) |
| LC50 Inhalation: | 42g/m ³ (Rabbit) |

Chronic Toxicity

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

12. ECOLOGICAL INFORMATION

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| Ecotoxicity: | The environmental impact of this product has not been fully investigated. |
| Chemical Name: | Sodium chloride - #7647-14-5 |
| Toxicity to Algae: | - |
| Toxicity to Fish: | LC50 = 6020-7070mg/L Pimephales promelas (96h) LC50 = 6420-6700mg/L Pimephales promelas (96h) LC50 = 4747-7824mg/L Oncorhynchus mykiss (96h) LC50 = 12946mg/L Lepomis macrochirus (96h) LC50 = 7050mg/L Pimephales promelas (96h) LC50 = 5560-6080mg/L Lepomis macrochirus (96h) |
| Microtox | - |
| Daphnia Magna (Water Flea): | - |

13. DISPOSAL CONSIDERATIONS

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| 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

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| IATA |
| Not regulated |
| US DOT |
| Not regulated |

15. TOXICOLOGICAL INFORMATION

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| REACH Title VII Restrictions | No information available |
| Chemical Name: | Sodium chloride - #7647-14-5 |
| Dangerous Substances: | Not applicable |
| Organic Solvents: | Not applicable |
| Harmful Substances Whose Names are to be indicated on the Label: | Not applicable |
| Pollution Release and Transfer Registry (Class II): | Not applicable |
| Pollution Release and Transfer Registry (Class I): | Not applicable |
| Poison and Deleterious Substances Control Law: | Not applicable |
| ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying: | Not applicable |
| ISHA – Harmful Substances Requiring Permission: | Not applicable |
| Toxic Chemical Classification Listing (TCCL): | Not applicable |
| Toxic Release Inventory (TRI) – Group I: | Not applicable |
| Toxic Release Inventory (TRI) – Group II: | Not applicable |

International Inventories

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|----------------|-----------------|
| TSCA: | Complies |
| EINECS/ELINCS: | Complies |
| ENCS: | Complies |
| IECSC: | Complies |
| KECL | Does not comply |
| PICCS | Complies |
| AICS | Complies |

U.S. Federal Regulations

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|-----------------|---|
| 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. |
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SARA 311/312 Hazard Categories

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| 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

U.S. State Regulations

California Proposition 65 This product does not contain any Proposition 65 chemicals.

International Regulations

Mexico No information available

Canada No information available

WHMIS Hazard Class

D2B – Toxic materials



16. OTHER INFORMATION

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| Issuing Date: | 13-Jan-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