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Issuing Date: 20-Apr-2010

Revision Date: 5-Jun-2018

Rev. 4

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

Product Name: Sodium Chloride, USP grade
Product Code: IB07070, IB07071, IB07072, & IB07073
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. * P312-Call a Poison Center/doctor/physician if you feel unwell. * P403+P233-Store in well ventilated place. Keep container tightly closed.

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 %: 95-100
Classification: Xi;R36/37/38

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 artificial respiration. |
| 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: | Sodium/sodium 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

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| Personal Precautions: | Avoid contact with skin and eyes. Ensure adequate ventilation. |
| Methods for Containment: | Prevent further leakage or spillage, if safe to do so. |
| Methods for Cleaning Up: | Sweep up and place in closed containers for disposal. |

7. HANDLING AND STORAGE

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| Handling: | Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. |
| 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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|--------------------------------------|---|
| Chemical Name: | Sodium Chloride - #7647-14-5 |
| ACGIH TLV: | - |
| OSHA PEL: | - |
| NIOSH IDLH: | - |
| Engineering Measures: | Showers, Eyewash Stations, Ventilation Systems |
| Personal Protective Equipment | |
| Eye/Face Protection: | Safety glasses with slide 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

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|---|---|
| Appearance: | White powder |
| 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: | Granular powder |
| pH: | No data available |
| Flash Point: | Not determined |
| Autoignition Temp. °C: | No data available |
| Boiling Point/Range: | 1413°C/2575°F |
| 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: | 2.165 |
| 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: | Sodium/sodium oxides |
| Hazardous Polymerization: | Hazardous polymerization does not occur. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

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|-----------------------|---|
| Product Information: | Causes skin, eye, and respiratory tract irritation. |
| Chemical Name: | <u>Sodium Chloride - #7647-14-5</u> |
| LD50 Oral: | - |
| LD50 Dermal: | 10g/kg (Rabbit) |
| LC50 Inhalation: | 42g/m ³ (Rat) 1h |

Chronic Toxicity

| | |
|-------------------|--|
| Chronic Toxicity: | No known effect based on information supplied. |
|-------------------|--|

| | |
|------------------------------|---------------------------------|
| Target Organ Effects: | Eyes, Skin, Respiratory System. |
|------------------------------|---------------------------------|

12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic organisms
Chemical Name: Sodium Chloride - #7647-14-5
 Toxicity to Algae: -
 Toxicity to Fish: LC50 = 12946mg/L Lepomis macrochirus (96h)
 LC50 = 7650mg/L Pimephales promelas (96h)
 LC50 = 9675mg/L Lepomis macrochirus (96h)
 Microtox: -
 Daphnia Magna (Water Flea): EC50 = 1000mg/L (48h)

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 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

TSCA: Complies
 EINECS/ELINCS: Complies
 ENCS: Complies
 IECSC: Complies
 KECL: Complies
 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

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

| | |
|----------------------------------|---|
| Issuing Date: | 20-Apr-2010 |
| Revision Date: | 5-Jun-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