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Rev. 1

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

Product Name: ASDS w/2% PVP40
Product Code: IB70110
Recommend Use: For further manufacturing use only
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 Sensitizer1 Respiratory Sensitizer 1 Skin Irritant 2 Eye Irritant 2
Signal Word: Danger



Hazard Statements: H314-Causes severe skin burns and eye damage * H412-Harmful to aquatic life with long lasting effects.

Precautionary Statements: P260-Do not breathe dust/fume/gas/mist/vapors/spray * P264-Wash hands thoroughly after handling * P301+P330+P331-IF SWALLOWED: Rinse mouth. Do NOT induce vomiting * P363-Wash contaminated clothing before reuse * P321-Specific treatment (see supplemental first aid instructions on this label) * P405-Store locked up * P280-Wear protective gloves/protective clothing/eye protection/face protection * P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. * P273-Avoid release to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Sodium Hydroxide
EC No.: EEC No. 215-185-5
REACH Reg. No.: Not Available
CAS No.: 1310-73-2
Weight %: 1 - 5
Classification: C; R35

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 not breathing, give artificial respiration.
Ingestion: Rinse mouth. Never give anything by mouth to an unconscious person.
Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties: Not flammable
Flash Point: Not determined
Suitable Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions.
Hazardous Combustion Products: Carbon oxides, Sulfur 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: No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: Sodium Hydroxide - #1310-73-2
ACGIH TLV: -
OSHA PEL: TWA: 2mg/m³
NIOSH IDLH: IDLH: 10mg/m³ * Ceiling: 2mg/m³

Engineering Measures:	Showers, Eyewash Stations, Ventilation Systems
<u>Personal Protective Equipment</u>	
Eye/Face Protection:	Tightly 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:	Clear, colorless solution
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:	As recorded, Range: 12 - 14
Flash Point:	No data available
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
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
Density:	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, Strong bases
Conditions to Avoid:	None known based on information supplied.
Hazardous Decomposition Products:	Carbon oxides. Sulfur oxides.
Hazardous Polymerization:	Hazardous polymerization may occur.

11. TOXICOLOGICAL INFORMATION

<u>Acute Toxicity</u>	
Product Information:	Irritating to eye, skin, and respiratory system. Sensitizer. May be harmful if swallowed. May be harmful if absorbed through skin.
Chemical Name:	Sodium Hydroxide
LD50 Oral:	-
LD50 Dermal:	1350mg/kg (Rabbit)
LC50 Inhalation:	-

Chronic Toxicity

Chronic Toxicity: No known effect based on information supplied.
Teratogenic May cause congenital malformation in the fetus.
Target Organ Effects: None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Chemical Name: Sodium Hydroxide
 Toxicity to Algae: -
 Toxicity to Fish: 45.4: 96hr Oncorhynchus mykiss mg/L LC50 static
 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:	Sodium Hydroxide
Dangerous Substances:	>=>=1% (weight)
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):	97-1-136, 5% or more in mixtures
Toxic Release Inventory (TRI) – Group I:	Not applicable
Toxic Release Inventory (TRI) – Group II:	>=1.0%

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 which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.

CERCLA

Chemical Name:	Sodium Hydroxide - #1310-73-2
Hazardous Substances RQs	1000lbs
Extremely Hazardous Sub. RQs:	-

U.S. State Regulations

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

State	Sodium Hydroxide - #1310-73-2
Massachusetts	X
New Jersey	X
Pennsylvania	X
Illinois	
Rhode Island	X

International Regulations

Mexico

Canada

WHMIS Hazard Class

D2A – Very toxic materials

D2B – Toxic materials



16. OTHER INFORMATION

Issuing Date: 10-Oct-2018

Revision Date: -

Revision Note: -

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; & 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