



IBI SCIENTIFIC

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Rev. 3

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

Product Name: SDS Solution, 20%
Product Code: IB07064
Recommend Use: For further manufacturing use only
 Not for human or animal drug use
Company: IBI SCIENTIFIC
 9861 Kapp Court
 Peosta, IA 52068
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
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2. HAZARDOUS IDENTIFICATION

GHS – Classification

Classification: Skin Sensitizer 1 Respiratory Sensitizer 1 Acute Toxicity Oral 4 Acute Toxicity Dermal 3
 Eye Irritant 2 Skin Irritant 2
Signal Word: Danger



Hazard Statements: H302-Harmful if swallowed * H331-Toxic if inhaled * 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.

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. P312-Call a Poison Center or doctor/physician if you feel unwell.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	Sodium Dodecyl Sulfate
EC No.:	EEC No. 205-788-1
REACH Reg. No.:	Not Available
CAS No.:	151-21-3
Weight %:	15-25
Classification:	-

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. Consult a physician if necessary.
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, 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 an inert material. 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:	Clear, particulate-free liquid
Odor:	Slightly fatty odor
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:	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
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
Hazardous Polymerization:	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

<u>Acute Toxicity</u>	
Product Information:	Toxic in contact with skin. Harmful if swallowed. Sensitizer. Causes skin, eye, and respiratory tract irritation.
Chemical Name:	Sodium Dodecyl Sulfate - #151-21-3
LD50 Oral:	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: Harmful to aquatic organisms

Chemical Name: Sodium Dodecyl Sulfate - #151-21-3

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 No information available

Chemical Name: Sodium Dodecyl Sulfate - #151-21-3

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
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 that is 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 No information available

WHMIS Hazard Class

D1B – Toxic materials

D2B – Toxic materials

D2A – Very toxic materials

**16. OTHER INFORMATION****Issuing Date:** 24-Sept-2001**Revision Date:** 12-Jan-2012**Revision Note:** Update to GHS Standard**Recommended Restrictions:** No information available

Disclaimer: The information provided on this MSDS 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 MSDS