



IBI SCIENTIFIC

9861 Kapp Court ■ Peosta, IA 52068
Tele: (563) 690-0484 ■ 1-800-253-4942
Fax: (563) 690-0490 ■ **E-Mail:** info@ibisci.com
Web: www.ibisci.com

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Rev. 3

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

Product Name: Sodium Dodecyl Sulfate (SDS)
Product Code: IB07060 & IB07062
Recommend Use: For further manufacturing use only
Not for human or animal drug use
Anionic detergent primarily used in protein purification
Synonyms: AI3-00356 * AKYPOSAL SDS * AQUAREX ME * AQUAREX METHYL * AVIROL 101 * AVIROL 118 CONC * BEROL 452 * CARSONOL SLS * CARSONOL SLS PASTE B * CARSONOL SLS SPECIAL * CONCO SULFATE WA * CONCO SULFATE WA-1200 * CONCO SULFATE WA-1245 * CONCO SULFATE WAG * CONCO SULFATE WAN * CONCO SULFATE WAS * CONCO SULFATE WN * CYCLORYL 21 * CYCLORYL 31 * CYCLORYL 580 * CYCLORYL 585N * DEHYDAG SULFATE GL EMULSION * DEHYDAG SULPHATE GL EMULSION * DETERGENT 66 * DODECYL ALCOHOL, HYDROGEN SULFATE, SODIUM SALT * DODECYL SODIUM SULFATE * DODECYL SULFATE SODIUM * N-DODECYL SULFATE SODIUM * DODECYL SULFATE, SODIUM SALT * DREFT * DUPONAL * DUPONAL WAQE * DUPONOL * DUPONOL C * DUPONOL ME * DUPONOL METHYL * DUPONOL QX * DUPONOL WA * DUPONOL WA DRY * DUPONOL WAQ * DUPONOL WAQA * DUPONOL WAQE * DUPONOL WAQM * EMAL O * EMAL 10 * EMERSAL 6400 * EMPICOL LPZ * EMPICOL LS 30 * EMPICOL LX 28 * EMULSIFIER NO. 104 * FINASOL OSR(SUB 2) * GARDINOL * HEXAMOL SLS * INCRONOL SLS * IRIUM * JORDANOL SL-300 * LANETTE WAX-S * LAURYL SIRAN SODNY (CZECH) * LAURYL SODIUM SULFATE * LAURYL SULFATE, SODIUM SALT * MAPROFIX 563 * MAPROFIX LK * MAPROFIX NEU * MAPROFIX WAC * MAPROFIX WAC-LA * MELANOL CL * MELANOL CL 30 * MONODODECYL SODIUM SULFATE * MONOGEN Y 100 * MONTOPOL LA PASTE * NCI-C50191 * NEUTRAZYME * NIKKOL SLS * ODORIPON AL 95 * ORVUS WA PASTE * P AND G EMULSIFIER 104 * PERLANDROL L * PRODUCT NO. 75 * PRODUCT NO. 161 * QUOLAC EX-UB * REWOPOL NLS 30 * RICHONOL A * RICHONOL AF * RICHONOL C * SDS * SINNOPON LS 95 * SINNOPON LS 100 * SINTAPON L * SIPEX OP * SIPEX SB * SIPEX SD * SIPEX SP * SIPEX UB * SIPON LS * SIPON LS 100 * SIPON LSB * SIPON PD * SIPON WD * SLS * SODIUM DODECYL SULFATE * SODIUM N-DODECYL SULFATE * SODIUM DODECYL SULPHATE * SODIUM LAURYL SULFATE * SODIUM LAURYL SULPHATE * SODIUM MONODODECYL SULFATE * SODIUM MONOLAURYL SULFATE * SOLSOL NEEDLES * STANDAPOL 112 CONC * STANDAPOL WA-AC * STANDAPOL WAQ * STANDAPOL WAQ SPECIAL * STANDAPOL WAS 100 * STEINAPOL NLS 90 * STEPANOL ME * STEPANOL ME DRY * STEPANOL ME DRY AW * STEPANOL METHYL * STEPANOL METHYL DRY AW * STEPANOL T 28 * STEPANOL WA * STEPANOL WA-100 * STEPANOL WAC * STEPANOL WA PASTE * STEPANOL WAQ * STERLING WA PASTE * STERLING WAQ-CH * STERLING WAQ-COSMETIC * SULFETAL L 95 * SULFOPON WA 1 * SULFOPON WA 2 * SULFOPON WA 3 * SULFOPON WA 1 SPECIAL * SULFOTEX WA * SULFOTEX

MATERIAL SAFETY DATA SHEET
IB07060 & IB07062 - SODIUM DODECYL SULFATE (SDS)

WALA * SWASCOL 3L * SWASCOL 4L * SWASCOL 1P * SYNTAPON *
SYNTAPON L * SYNTAPON L PASTA (CZECH) * TARAPON K 12 * TEXAPON
DL CONC. * TEXAPON K12 * TEXAPON K- 1296 * TEXAPON L 100 * TEXAPON
V HC * TEXAPON V HC POWDER * TEXAPON ZHC * TEXAPON Z HIGH CONC.
NEEDLES * TREPENOL WA * TVM 474 * ULTRA SULFATE SL-1 * WAQE *
WITCOLATE A * WITCOLATE A POWDER * WITCOLATE C *

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

E-Mail Address: info@ibisci.com

2. HAZARDOUS IDENTIFICATION

GHS – Classification

Classification: Flammable Solid 1 Acute Toxicity Dermal 3 Acute Toxicity Oral 4 Respiratory
Sensitizer 1 Skin Irritant 2 Eye Irritant 2 Aquatic Toxicity (short term) 2

Signal Word: Danger



Hazard Statements: H228-Flammable solid * H302-Harmful if swallowed * H311-Toxic in contact with skin
* 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 * H401-Toxic to aquatic life.

Precautionary Statements: P210-Keep away from heat/sparks/open flames/hot surfaces-No smoking * P261-Avoid
breathing dust/fume/gas/mist/vapors/spray * P280-Wear protective gloves/protective
clothing/eye protection/face protection * P312-Call a Poison Center or doctor/physician if
you feel unwell * 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 Dodecyl Sulfate

EC No.: EEC No. 205-788-1

REACH Reg. No.: Not Available

CAS No.: 151-21-3

Weight %: 99-100

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.
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:	Flammable solid
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
Specific Hazard Arising from the Chemical:	Flammable
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:	Avoid dust formation. 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. Keep away from heat, sparks, and open flames.
Storage:	Keep container tightly closed in a dry, cool, and well-ventilated place. Keep away from heat, sparks, and open flames.
Incompatible Products:	Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	Sodium Dodecyl Sulfate - #151-21-3
ACGIH TLV:	-
OSHA PEL:	-
NIOSH IDLH:	-
Engineering Measures:	Showers, Eyewash Stations, Ventilation Systems
<u>Personal Protective Equipment</u>	
Eye/Face Protection:	Safety glasses with side 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

Appearance:	Fine white to off-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:	Powder
pH:	No data available
Flash Point:	No data available
Autoignition Temp. °C:	No data available
Boiling Point/Range:	No data available
Melting Point/Range:	204-207°C
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 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

Acute Toxicity

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:	Lungs

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic 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)

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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
 UN# UN1325
 Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S. (SODIUM DODECYL SULFATE)
 Hazardous Class 4.1
 Packing Group III

US DOT
 UN# UN1325
 Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S. (SODIUM DODECYL SULFATE)
 Hazardous Class 4.1
 Packing Group III

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	Yes
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

B4 – Flammable solid

D2B – Toxic materials

D1B – Toxic materials



16. OTHER INFORMATION

Issuing Date: 8-Jan-1998
Revision Date: 11-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