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Rev. 5

## 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 WALA \* SWASCOL 3L \* SWASCOL 4L \* SWASCOL 1P \* SYNTAPON \*

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

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  
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**Company Tele. Number:** 1-800-253-4942 / (001) 563-690-0484

**E-Mail Address:** [info@ibisci.com](mailto: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

<b>Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen.
<b>Ingestion:</b>	Clean mouth with water and afterwards drink plenty of water.
<b>Notes to Physician:</b>	Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

<b>Flammable Properties:</b>	Flammable solid
<b>Flash Point:</b>	Not determined
<b>Suitable Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam
<b>Hazardous Combustion Products:</b>	Carbon oxides, Sulfur oxides
<b>Explosion Data</b>	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
<b>Specific Hazard Arising from the Chemical:</b>	Flammable
<b>Protective Equip. &amp; Precautions for Firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation.
<b>Methods for Containment:</b>	Prevent further leakage or spillage, if safe to do so.
<b>Methods for Cleaning Up:</b>	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

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, and open flames.
<b>Storage:</b>	Keep container tightly closed in a dry, cool, and well-ventilated place. Keep away from heat, sparks, and open flames.
<b>Incompatible Products:</b>	Strong oxidizing agents.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Chemical Name:</b>	Sodium Dodecyl Sulfate - #151-21-3
ACGIH TLV:	-
OSHA PEL:	-
NIOSH IDLH:	-
<b>Engineering Measures:</b>	Showers, Eyewash Stations, Ventilation Systems
<b><u>Personal Protective Equipment</u></b>	
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.
<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Fine white to off-white powder
<b>Odor:</b>	No information available
<b>Odor Threshold:</b>	No information available
<b>Decomposition Temp. °C:</b>	No information available
<b>Freezing Point:</b>	No information available
<b>Initial Boiling Point:</b>	No information available
<b>Physical State:</b>	Powder
<b>pH:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Autoignition Temp. °C:</b>	No data available
<b>Boiling Point/Range:</b>	No data available
<b>Melting Point/Range:</b>	204-207°C
<b>Flammability Limits (Air):</b>	<u>Upper</u> -No data available * <u>Lower</u> -No data available
<b>Explosion Limits</b>	No information available
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>MMHG @ 37.8°C:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Specific Gravity:</b>	No data available
<b>Solubility:</b>	No data available
<b>Partition Coefficient (n-octanol/water):</b>	No data available
<b>Viscosity:</b>	No information available

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions
<b>Incompatible Products:</b>	Strong oxidizing agents
<b>Conditions to Avoid:</b>	None known based on information supplied
<b>Hazardous Decomposition Products:</b>	Carbon oxides, Sulfur oxides
<b>Hazardous Polymerization:</b>	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 <sup>3</sup> (Rat) 1hr

#### Chronic Toxicity

Chronic Toxicity:	No known effect based on information supplied.
<b>Target Organ Effects:</b>	Lungs

### 12. ECOLOGICAL INFORMATION

<b><u>Ecotoxicity:</u></b>	Toxic to aquatic organisms
<b>Chemical Name:</b>	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**

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

<b>Chemical Name:</b>	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:** 5-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**