

**Revision Date: 07/01/2019**

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifiers

<i>Catalog Number</i>	<i>Product Name</i>
AA018	Sodium dodecyl sulfate (SDS)

### 1.2 Relevant identified uses of substance or mixture and uses advised against

Identified uses: Lab use

### 1.3 Details of the supplier of the safety data sheet

Company: Bangs Laboratories / A Division of Polysciences  
 9025 Technology Drive  
 Fishers, Indiana 46038  
 USA  
 Telephone: 800-387-0672

### 1.4 Emergency telephone number

Emergency Phone: 317-348-1673

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**GHS Classification:** Flammable solids(Category 2), H228  
 Acute toxicity, Oral (Category), H302  
 Acute toxicity, Inhalation (Category 4), H332  
 Skin irritation (Category 2), H315  
 Serious eye damage (Category 1), H318  
 Specific target organ toxicity- single exposure (Category 3), H317  
 Respiratory system (Category 1), H335  
 Acute aquatic toxicity (Category 2), H401  
 Chronic aquatic toxicity (Category 3), H412

**Signal word: Danger**

**Pictogram:**



### Hazard Statement(s)

H228	Flammable solid.
H302 + H332	Harmful if swallowed or if inhaled
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
P210	Keep away from heat/sparks/open flames/hot surfaces. -No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.

## Hazard Statement(s) Continued

P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
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.
P310	Immediately call a POISON CENTER or doctor/ physician.
P321	Specific treatment (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant

**2.2 Hazard Ratings:** These ratings are Bangs Laboratories, Inc.'s own assessments of the properties of the material using the ANSI/ NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49). If no data is listed, the information is not available.

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
2	3	3

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Item#</u>	<u>Name</u>	<u>CAS #</u>	<u>% in Product</u>
1	Sodium dodecyl sulfate	0000151213	100

## SECTION 4: FIRST AID MEASURES

**Eyes:** In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Immediate medical attention is required.

**Skin:** In case of contact, immediately wash skin with copious amounts of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

**Ingestion:** Contact physician immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Contact a physician or Poison Control center immediately.

**Systemic:** Treatment based on sound judgment of physician and the individual reactions of the patient.

## SECTION 5: FIRE FIGHTING MEASURES

**5.1 Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture:** No data available

**5.3 Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further Information:** Use water spray to cool unopened containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Any information given below is considered to be in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition source from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel. Wear vinyl gloves, soak up spill in paper toweling, and rinse area with water. Put all generated waste into an approved container and dispose of as waste. Observe all applicable federal, state, and local disposal laws.

**6.2 Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up:** Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

**6.4 Reference to other sections:** For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition -No smoking. Take measures to prevent the build up of electrostatic charge.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Hygroscopic

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Wash / Hygienic Practices: Wash with soap and water when leaving work area and before eating, smoking, and using restroom facilities.

### 8.2 Exposure Controls: Prevent product from entering drains. Do not allow material to contaminate ground water system.

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves. Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not internal immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Relative density: .370 g/cm<sup>3</sup>  
Solubility: soluble  
Appearance: white, odorless, powder

### 9.2 Other safety information: None

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** No data available

**10.2 Chemical Stability:** Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions:** No data available

**10.4 Incompatible materials:** Oxidizing agents

**10.5 Conditions to avoid:** Heat, flames and sparks. Extremes of temperature and direct sunlight.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:** Acute toxicity: LD50 Oral-Rat-male and female-1,200 mg/kg LC50 Inhalation-Rat-1 h-> 3,900 mg/m<sup>3</sup>

Skin corrosion/irritation: Skin - Rabbit Result: Skin irritation - 24 h(OECD Test Guideline 404) Serious eye damage/eye irritation: Eyes-Rabbit Result: Risk of serious damage to eyes.(OECD Test Guideline 405)

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity:** Toxicity to fish LC50 - Pimephales promelas (fathead minnow) 29 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates flow-through test -Daphnia dubia (water flea)-5.55 mg/l - 48 h

Toxicity to algae - Growth inhibition LOEC - Pseudokirchneriella subcapitata - 2.68 mg/l - 6d

static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) 120 mg/l - 72 h

**12.2 Persistence and degradability:** Biodegradability Biotic/Aerobic Biochemical oxygen demand - Exposure time 28 d

Result: 95 % - Readily biodegradable.

**12.3 Bioaccumulative potential:** Bioaccumulation Cyprinus carpio (Carp) - 72 h Bioconcentration factor (BCF): 3.9-5.3

**12.4 Mobility in soil:** no data available

**12.5 Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:** The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number, the substance may be subject to special federal and state disposal regulations. If no codes are listed, the material must be disposed of in compliance with all Federal, State, and Local Regulations.

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

<u>CAS #</u>	<u>Waste Code</u>	<u>Regulated Name</u>
0000151213	not listed	not listed

#### **SECTION 14: TRANSPORT INFORMATION**

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

#### **SECTION 15: REGULATORY INFORMATION**

All components of this product are on the TSCA public inventory.

Prop 65: Column A identifies those items which are known to the State of California to cause cancer. Column B identifies those which are known to the State of California to cause reproductive toxicity.

<u>CAS #</u>	<u>Column A</u>	<u>Column B</u>
0000151213	no	no

**SARA Toxic Release Chemicals** (as defined in Section 313 of SARA Title III): This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). This list is also referred to as the Toxic Release Inventory (TRI) List.

<u>CAS #</u>	<u>Regulated Name</u>	<u>de minimis conc %</u>	<u>Rep. Thres.</u>
0000151213	not listed	not listed	not listed

**SARA Extremely Hazardous Substances and TPQs:** This list identifies hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

<u>CAS #</u>	<u>Regulated Name</u>	<u>TPQ (pounds)</u>	<u>EHS-RQ (pounds)</u>
0000151213	not listed	not listed	not listed

#### **SECTION 16: OTHER INFORMATION**

BANGS LABORATORIES, INC. provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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Preparation Information:

Bangs Laboratories, Inc.

1-800-387-0672

**END OF SDS**