

Revision Date: 08/20/2020

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Catalog Number	Product Name
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:



Hazardous substance or mixture according to Regulation (EU) No. 1272/2008.
 Hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

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.

Hazard Statement(s) Continued

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.
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 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.

Health	Flammability	Reactivity
2	3	3

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Item#	Name	CAS #	% in Product
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 formations 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 workplaces 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/cm³

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/m³

Skin corrosion/irritation: Skin-Rabbit Result: Skin irritation-24h (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 Wastetreatmentmethods:Thefollowingchartliststhestatusofthechemicalanditscomponentsinreferenceto40CFRPart261.33.If theproductislistedbycodenumber,thesubstancemaybe subjecttospecialfederalandstatedisposalregulations.Ifnocodesarelisted, thematerialmustbedisposedofincompliancewithallFederal,State,andLocalRegulations.Bangslaboratoriesdisposesofpolymer-based microparticles through our standard chemical waste disposal program, which is performed by a licensed provider in a safe, compliant, and environmentally-conscious manner.

Product:Burnin a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.Offersurplusandnon-recyclablesolutionstoalicenseddisposalcompany.Contactalicensedprofessionalwastedisposalservice to dispose of this material.

CAS #	Waste Code	Regulated Name
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.

CAS #	Column A	Column B
0000151213	no	no

SARAToxicReleaseChemicals(asdefinedinSection313ofSARATitleIII):Thislistidentifiesthetoxicchemicals,includingtheirde minimis concentrationsforwhichreportingisrequiredunderSection313oftheEmergencyPlanningandCommunityRight-to-KnowAct(EPCRA).Thislistis also referred to as the Toxic Release Inventory (TRI) List.

CAS #	Regulated Name	de minimis conc %	Rep. Thres.
0000151213	not listed	not listed	not listed

SARAExtremelyHazardousSubstancesandTPQs:ThislistidentifieshazardoussubstancesregulatedunderSection302ofSARATitleIIIwith their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS #	Regulated Name	TPQ (pounds)	EHS-RQ (pounds)
0000151213	not listed	not listed	not listed

SECTION 16: OTHER INFORMATION

BANGSLABORATORIES,INC.providestheinformationcontainedherein ingoodfaith,butmakesnorepresentationastoitscomprehensivenessor accuracy.Individualsreceivingthisinformationmustexercisetheir 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