



Safety Data Sheet

Revision Date: 25-June-2018

24 Hour Emergency #: 1-800-255-3924

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

PRODUCT NAME: Sodium Dodecyl Sulfate 20% (w/v) (20% SDS)
CATALOG NUMBER: 351-066-721, 351-066-101
CHEMICAL NAME: An aqueous solution of Sodium dodecyl sulfate (Sodium lauryl sulfate).

Company/Undertaking Identification

Quality Biological Inc.
7581 Lindbergh Drive
Gaithersburg, MD 20879
301-840-9331

2. HAZARDS IDENTIFICATION

GHS – Classification

Signal Word

DANGER



Hazard Statements

Causes skin irritation. Causes serious eye damage. Harmful to aquatic life. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Take off contaminated clothing and wash before reuse. Avoid release to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS-No	Weight %
Sodium Dodecyl Sulfate	205-788-1	151-21-3	20

4. FIRST AID MEASURES



Skin contact	Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.
Eye contact	Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.
Ingestion	Never give anything by mouth to an unconscious person
Inhalation	If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

General: Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Autoignition Temperature: N/A

Explosion limits: Not sensitive.

Flash Point: Not flammable.

6. ACCIDENTAL RELEASE MEASURES

Use Personal Protective Equipment: Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Spills and Leaks: Absorb spill with inert material (e.g. Vermiculite, sand, earth) then place in a suitable container. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Engineering measures	Ensure adequate ventilation, especially in confined areas
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Personal protective equipment

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment
Hand protection	Protective gloves
Eye protection	Safety glasses with side-shields

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Skin and body protection	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
Environmental exposure	
Controls	Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Liquid
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Important Health Safety and Environmental Information

Boiling point/range	°C No data available	°F No data available
Melting point/range	°C No data available	°F No data available
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Materials to avoid	No information available
Hazardous decomposition products	Carbon oxides. Sulfur oxides.
Polymerization	None known.
Incompatible Products	Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Irritating to eye, skin and respiratory system.

Principle Routes of Exposure/ Potential Health effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available

Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available



12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Crustacea
Sodium Dodecyl Sulfate	EC50 3.59 - 15.6 mg/L 96 h EC50 = 117 mg/L 96 h EC50 = 53 mg/L 72 h EC50 30 - 100 mg/L 96 h	LC50 15-18.9 mg/L Pimephales promelas 96 h LC50 4.06-5.75 mg/L Lepomis macrochirus 96 h LC50 4.2-4.8 mg/L Lepomis macrochirus 96 h LC50 6.2-9.6 mg/L Pimephales promelas 96 h LC50= 4.2 mg/L Oncorhynchus mykiss 96 h LC50 13.5-18.3 mg/L Poecilia reticulata 96 h LC50 5.8-7.5 mg/L Pimephales promelas 96 h LC50 9.9-20.1 mg/L Brachydanio rerio 96 h LC50 10.2-22.5 mg/L Pimephales promelas 96 h LC50 8-12.5 mg/L Pimephales promelas 96 h LC50= 4.5 mg/L Lepomis macrochirus 96 h LC50= 4.62 mg/L Oncorhynchus mykiss 96 h LC50 10.8-16.6 mg/L Poecilia reticulata 96 h LC50 22.1-22.8 mg/L Pimephales promelas 96 h LC50 4.3-8.5 mg/L Oncorhynchus mykiss 96 h LC50= 1.31 mg/L Cyprinus carpio 96 h LC50= 7.97 mg/L Brachydanio rerio 96 h	

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

15. REGULATORY INFORMATION

International Inventories

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 any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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).

U.S. State Regulations

California Proposition 65

This product does not contain chemicals listed under Proposition 65

16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.

End of Safety Data Sheet