BioAmerica Inc.
REAGENTS

MSDS

Material Safety Data Sheet

SDS Molecular Biology Grade

1. Identity of the substance and manufacturer

✓ *Identification of the product*

Catalog Number: SDSBA100

Product Name: SDS Molecular Biology Grade

✓ *Manufacturer/supplier identification*

BioAmerica, Inc.
13230 SW 132nd Ave Suite 33
Miami FL 33186 USA
Phone/Fax: (305) 395-7674 / 395-5215

2. Composition/information about the components

✓ *Synonyms*

Sodium lauryl sulfate

Molar mass: 288.38g/mol

Molecular formula: $C_{12}H_{25}NaO_4S$

3. Hazards

✓ Harmful is swallowed. Irritating to eyes and skin.

4. First Aid

✓ Inhalation: fresh air.

✓ Skin contact: wash off with plenty of water. Remove contaminated clothing.

✓ Eye contact: rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

✓ Swallowing: make victim drink plenty of water, Induce vomiting, summon doctor.

5. Fire-fighting

✓ *Suitable extinguishing media*

Water, powder, foam.

✓ *Special risks*

Combustible. Development of hazardous combustion gases or vapors possible in the event of fire. The following may develop in event of fire: sulfur oxides.

✓ *Special protective equipment for fire fighting*

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

✓ *Other information:*

Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental Release

✓ *Person-related precautionary measures*

Avoid substance contact. Avoid generation of dusts; do not inhale dusts.

✓ *Environmental-protection measures*

Do not allow to enter sewerage system.

✓ *Procedures for cleaning / absorption*

Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

7. Handling and storage

✓ *Handling*

No further requirements.

✓ *Storage*

Dry. Tightly closed. At +15℃ to +25℃.

8. Exposure controls and protection

✓ *Personal protective equipment*

Respiratory protection:	required when dusts are generated.
Eye protection:	required.
Hand protection:	required.

✓ *Industrial hygiene*

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier. Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

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9. Physical and chemical properties

Form:		powder
Color:		white
Odor:		odorless
pH value at 100g/l H_2O (20℃):		7.5-9.0
Boiling point (13.3 hPa):		not available
Melting point:		204-207℃
Ignition temperature:		not available
Flash point:		>100℃
Explosion limits:	lower	not available
	upper	not available
Relative vapor density:		not available
Density (23℃):		not available
Bulk density:		~ 490-560 kg/m^3
Solubility in:	water (20℃)	slightly soluble
	Ethanol (25℃)	75g/l
Thermal decomposition		380℃
Log P (oct):		1.6

10. Stability and reactivity

✓ *Conditions to be avoided*
Heating.

✓ *Substances to be avoided*
No information available.

✓ *Hazardous decomposition products*
In the event of fire: See chapter 5.

11. Toxicological information

✓ *Acute toxicity*
LD50 (oral, rat): 1288 mg/kg.

✓ *Further toxicological information*
Further hazardous properties cannot be excluded.
The product should be handled with the care usual when dealing with chemicals.

After inhalation:	Irritations symptoms in the respiratory tract.
Skin contact:	Irritations.
Eye contact:	Irritations.
Swallowing:	Absorption via: gastrointestinal tract.

After absorption of toxic quantities: tiredness, vasodilation.

✓ *Further data*
Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

✓ Biologic degradation:
Biodegradation: >60%/28d (closed bottle test); readily biodegradable.
Behavior in environmental compartments: log P(oct): 1.6.
No appreciable bioaccumulation potential is to be expected (logp(o/w)1-3).

✓ *Ecotoxic effects*:
Biological effects: toxic for aquatic organisms.

✓ *Further ecologic data:*
Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

No special requirements. It is the responsibility of the user to observe all laws, rules and regulations, whether local, regional or national.

14. Transport information

Not subject to transport regulations

For more information about SDS and another products visit our website at www.bioamerica-inc.com

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