

Safety Data Sheet

QuickSilver™ Tris-MES-SDS Powdered Buffer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Product code: EB1101

Product name: Tris-MES-SDS Buffer Powder

Company/undertaking identification

Accuris Life Science Reagents, a division of Benchmark Scientific, Inc.

2600A Main Street Extension

Sayreville, NJ 08572

908 769-5555

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

GHS – Classification

Signal Word: Warning

Hazard pictograms: None

Health hazards: Skin corrosion/irritation: Category 3

Physical hazards: Not Hazardous

Environmental hazards: Not Hazardous

Hazard Statements: H316 - Causes mild skin irritation

Precautionary Statements

Prevention: Not Applicable

Response: If exposed or symptomatic, get medical advice/attention

Storage: Not Applicable

Disposal: Dispose of contents/ container as per local regulations

Other hazards: Not Applicable

HMIS

Flammability: None

Reactivity: None

Health: 1

SECTION 3: Composition/information on ingredients

Component	CAS-No	EINECS-No	Weight %
Sodium dodecyl Sulfate	151-21-3	205-788-1	1-5%

All chemicals should be handled with caution and appropriate safety gear.

SECTION 4: First aid measures

Description of first aid measures

Skin contact: Rinse with plenty of water. Immediate medical attention is not required.

Eye contact: Rinse eye and under eyelid with water for several minutes. Remove contact lenses, if present.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Notes to Physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed

H316 - Causes mild skin irritation

Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures**Extinguishing media**

Suitable extinguishing media: Foam. Dry powder. Dry chemical. Carbon dioxide (CO₂). Water spray.

Unsuitable extinguishing media: No information available.

Special hazards arising from the substance or mixture: Not known.

Advice for fire-fighters: Standard procedure for chemical fires.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Always wear recommended personal protective equipment including gloves, face shield and lab coat.

See Section 8 for more detail

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Reference to other sections

See section 8 for more information.

SECTION 7: Handling and storage**Precautions for safe handling**

Use personal protective equipment as required. No special handling is necessary.

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Store in accordance with local regulations.

Specific end use(s)

For research use only. CAUTION. Not intended for human or animal diagnostic or therapeutic uses.

SECTION 8: Exposure controls/personal protection**Control parameters**

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium dodecyl Sulfate	NONE	NONE	NONE	NONE

Engineering measures: Ensure adequate ventilation, especially in confined areas

Exposure controls**Personal Protective Equipment**

Respiratory protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection: Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

Eye protection: Tight sealing safety goggles or a face shield.

Skin and Body Protection: Wear suitable protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls: No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	White powder
Odor:	No data available
Odor Threshold:	Mixture has not been tested
pH:	One pack in 1L water ,25°C, pH 7. 0±0.2
Melting point / melting range:	Mixture has not been tested
Boiling point / boiling range:	Mixture has not been tested
Flash point:	Mixture has not been tested
Autoignition temperature:	Mixture has not been tested
Decomposition temperature:	Mixture has not been tested
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Upper explosion limit:	Mixture has not been tested
Lower explosion limit:	Mixture has not been tested
Vapor Pressure:	Mixture has not been tested
Relative density:	Mixture has not been tested
Specific gravity:	No data available
Solubility:	Soluble in water
Partition coefficient n-octanol/water:	No data available
Viscosity:	Mixture has not been tested
Explosive properties:	Mixture has not been tested
Oxidizing properties:	Mixture has not been tested
Other information:	No data available

SECTION 10: Stability and reactivity

Reactivity:	None known.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Conditions to avoid:	None under normal processing.
Incompatible materials:	Strong acids. Oxidizing agents. Acetic anhydride. Isocyanates. Ammonia. Bases.
Hazardous decomposition products:	Carbon oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Sodium dodecyl Sulfate	= 1288 mg/kg (Rat) = 1783 mg/kg (Rat)	No data	>3900mg/m ³ (Rat)

Principal Routes of Exposure

Irritation:	Mild skin irritant.
Corrosivity:	No data available
Sensitization:	No data available
STOT - Single Exposure:	No data available
STOT - Repeated Exposure:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Reproductive toxicity:	No data available
Aspiration hazard:	No data available

SECTION 12: Ecological information

Toxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Sodiumdodecyl Sulphate	Desmodesmus subspicatus EC50=42 mg/L (96 h)				
	Desmodesmus subspicatus EC50=53 mg/L (72 h)				
	Desmodesmus subspicatus EC5030	Daphnia magna EC50=21.2 mg/L (24 h) Daphnia magna EC50=1.8 mg/L (48 h)	No data available	No data available	logPow1.6
	- 100 mg/L (96 h)				
	Pseudokirchneriella subcapitata EC50=117 mg/L (96 h)				
	Pseudokirchneriella subcapitata EC503.59				
	- 15.6 mg/L (96 h)				

Persistence and degradability:

Inherently biodegradable.

Bioaccumulative potential:

Material does not bioaccumulate.

PBT and vPvB assessment:

Does not contain any substances assessed to be a PBT or a vPvB.

Other adverse effects:

No information available.

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations.

UN number: Not Applicable

UN proper shipping name: Not Applicable

Transport hazard class: Not Applicable

Packing group: Not Applicable

Environmental hazards: Not Applicable

Special precautions for user: Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable.

SECTION 15: Regulatory information

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

D2B - toxic materials



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

SECTION 16: Other information

Creation date: April 17, 2019

Last update: April 17, 2019

Reason for revision: N/A

Revision number: 0

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References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

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