

# Safety Data Sheet

## QuickSilver™ Tris-MOPS-SDS Powdered Buffer

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

#### Identification of the substance or mixture

**Product code:** EB1102

**Product name:** Tris-MOPS-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

P332 + P313 - If skin irritation occurs: seek medical advice/attention

#### Principle Routes of Exposure

##### Potential Health Effects

**Eyes** May cause eye irritation with susceptible persons.

**Skin** Mild skin irritation.

**Inhalation** May be harmful by inhalation.

**Ingestion** May be harmful if swallowed.

#### HMIS

**Flammability:** None

**Reactivity:** None

**Health:** 1

### SECTION 3: Composition/information on ingredients

Component	CAS-No	EINECS-No	Weight %
Sodiumdodecyl 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 (CO<sub>2</sub>).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 additional 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).

**SECTION 7: Handling and storage**

**Precautions for safe handling**

Use personal protective equipment as required. No special handling advices are 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)
Sodiumdodecyl 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 face shield.

**Skin and Body Protection:** Wear suitable protective clothing.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls:** No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance:</b>	White powder
<b>Odor:</b>	No data available
<b>Odor Threshold:</b>	Mixture has not been tested
<b>pH:</b>	One pack in 1L water, 25°C, pH 7.7 ±0.2
<b>Melting point / melting range:</b>	Mixture has not been tested
<b>Boiling point / boiling range:</b>	Mixture has not been tested
<b>Flash point:</b>	Mixture has not been tested
<b>Autoignition temperature:</b>	Mixture has not been tested
<b>Decomposition temperature:</b>	Mixture has not been tested
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper explosion limit:</b>	Mixture has not been tested
<b>Lower explosion limit:</b>	Mixture has not been tested
<b>Vapor Pressure:</b>	Mixture has not been tested
<b>Relative density:</b>	Mixture has not been tested
<b>Specific gravity:</b>	No data available
<b>Solubility:</b>	Soluble in water
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Viscosity:</b>	Mixture has not been tested
<b>Explosive properties:</b>	Mixture has not been tested
<b>Oxidizing properties:</b>	Mixture has not been tested
<b>Other information:</b>	No data available

## SECTION 10: Stability and reactivity

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

## SECTION 11: Toxicological information

### Information on toxicological effects

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

### Principal Routes of Exposure

<b>Irritation:</b>	Mild skin irritant.
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>STOT - Single Exposure:</b>	No data available
<b>STOT - Repeated Exposure:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Mutagenicity:</b>	No data available
<b>Reproductive toxicity:</b>	No data available
<b>Aspiration hazard:</b>	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
<b>Sodiumdodecyl Sulphate</b>	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)	<b>No data available</b>	<b>No data available</b>	logPow1.6
	-	Daphnia magna EC50=1.8 mg/L (48 h)			
	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 according to 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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