
1. IDENTIFICATION

Product Name 10X SDS Shearing Buffer D3

Recommended use of the chemical and restrictions on use

Identified Uses For Research and Development Use Only

Product Numbers 190297

Company Identification Covaris, Inc.
14 Gill Street, Unit H
Woburn, MA 01801

Customer Information Number (781) 932-3959

Emergency Telephone Number (800) 424-9300 (for emergencies only)

Chemtrec Number (800) 424-9300

Issue Date October 31, 2013

Supersedes Date

Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2. HAZARD IDENTIFICATION

Hazard Classification

This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling (GHS).

Label Elements

Hazard Symbols
None

Signal Word: None

Hazard Statements

None

Precautionary Statements**Prevention**

None

Response

None

Storage

None

Disposal

None

Other Hazards

None

2. HAZARD IDENTIFICATION

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	0%
Acute dermal toxicity	< 10%
Acute inhalation toxicity	1 - 10%
Acute aquatic toxicity	1 - 10%

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Component	CAS Number	Concentration
Water	N.A.	90 - 99%
Sodium Dodecyl Sulfate	151-21-3	1 - 5%

4. FIRST- AID MEASURES

Description of necessary first-aid measures**Eyes**

Flush the eye with plenty of water. Obtain medical attention if symptoms persist.

Skin

Wash affected area with plenty of water. Seek medical attention if symptoms persist.

Ingestion

Rinse mouth with plenty of water.

Inhalation

Not an expected route of entry.

Most important symptoms/effects, acute and delayed

Aside from the information found under description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed**Notes to Physicians**

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Suitable (and unsuitable) Extinguishing Media

Use foam, dry chemical or carbon dioxide. Use water spray for surroundings and containers.

Specific hazards arising from the chemical

None known.

Special Protective Actions for Fire-Fighters

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective equipment when handling. Do not eat or drink while handling this material.

Conditions for safe storage

Store at room temperature away from heat and direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Sodium Dodecyl Sulfate

None established.

Appropriate engineering controls

No specific measures necessary.

Individual protection measures

Respiratory Protection

Respiratory protection not normally required.

Skin Protection

Gloves

Eye/Face Protection

Safety glasses

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

	Physical State	Liquid
	Color	Colorless
Odor		None
Odor Threshold		No data available
pH		7.6
Specific Gravity		No data available
Boiling Range/Point (°C/F)		No data available
Melting Point (°C/F)		No data available
Flash Point (PMCC) (°C/F)		Not flammable

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	No data available
Evaporation Rate (BuAc=1)	No data available
Solubility in Water	Complete
Vapor Density (Air = 1)	No data available
VOC (g/l)	No data available
Partition coefficient (n-octanol/water)	No data available
Viscosity	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Upper explosive limit	No data available
Lower explosive limit	No data available
Flammability (solid, gas)	Not applicable

10. STABILITY AND REACTIVITY

Reactivity

No known reactivity.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat – high temperatures

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

Oxides of carbon – sulfur oxides – sodium oxides

11. TOXICOLOGICAL INFORMATION

Acute ToxicitySodium Dodecyl Sulfate

Oral LD50 (rat) 1288 mg/kg

Dermal LD50 (rabbit) >10,000 mg/kg

Inhalation LC50 (rat) 3.9 mg/l

Specific Target Organ Toxicity (STOT) – single exposure

Sodium Dodecyl Sulfate: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) – repeat exposure

Sodium Dodecyl Sulfate: Available data indicates this component will not cause target organ effects after repeated exposure.

Serious Eye damage/Irritation

Sodium Dodecyl Sulfate: Shown to be not irritating at 10% concentration in rabbit study.

11. TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation

Sodium Dodecyl Sulfate: Irritating in rabbit studies.

Respiratory or Skin Sensitization

Sodium Dodecyl Sulfate: Available data indicates this component is not a skin sensitizer.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

Sodium Dodecyl Sulfate: Negative in vivo and in vitro laboratory studies.

Reproductive Toxicity

Sodium Dodecyl Sulfate: No maternal toxicity and no developmental toxicity up to 300 and 600 mg/kg/day, respectively.

Aspiration Hazard

No data available to indicate product is an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Sodium Dodecyl Sulfate

LC50 (Fathead minnow) 29mg/l 96h

Mobility in soil

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bioaccumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data Not Regulated

UN Proper Shipping Name Not Regulated

UN Class None.

UN Number None.

UN Packaging Group None.

14. TRANSPORT INFORMATION

Classification for AIR Transportation (IATA) Consult current IATA Regulations prior to shipping by air.
Environmental Hazards Not a marine pollutant

15. REGULATORY INFORMATION

United States TSCA Inventory

All components of this product have been verified for the inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Canada DSL Inventory

All components of this product have been verified for inclusion on the Domestic Substance List (DSL).

WHMIS Classification

None

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

SARA Title III Sect. 311/312 Categorization

None

16. OTHER INFORMATION

NFPA Ratings

NFPA Code for Flammability - 0
NFPA Code for Health - 0
NFPA Code for Reactivity - 0
NFPA Code for Special Hazards – None

HMIS Ratings

HMIS Code for Flammability - 0
HMIS Code for Health - 0
HMIS Code for Physical Hazard - 0
HMIS Code for Personal Protection - See Section 8
*Chronic

Legend

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service
IARC: International Agency for Research on Cancer
N/A: Denotes no applicable information found or available
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value

Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

16. OTHER INFORMATION

Prepared By: EnviroNet LLC.

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