Biodynamics Laboratory Inc.

SAFETY DATA SHEET

Date Updated: Apr/22/2025

< 1 > Product and Company Information

Product Name	AllView PAGE Buffer (20×)
Code Number	DS520
Company	BioDynamics Laboratory Inc.
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Evaluated as a single compound below (Sodium dodecyl sulfate)

<2 > Hazards Identification

Classification

Flammable solids (Category 2),
Acute toxicity (Oral) (Category 4)
Acute toxicity (Skin) (Category 3)
Skin corrosive / Irritation (Category 2)
Serious eyes damage /Eyes irritation (Category 2)
Specification target internal organs / systemic toxicity (single exposure) (Category 3)
Specification target internal organs/systemic toxicity (repeat exposure) (Category 2)
Aquatic environmental toxicity: acute (Category 1)

Symbol:

Signal word: Danger

Hazard statement(s)

H228: Flammable solid.
H302 + H332: Harmful if swallowed or if inhaled.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H401: Toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P201: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273: Avoid release to the environment.
P280: Wear eye protection/ face protection.
P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P305 + P351 + P338 + P310: 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/doctor.

Supplemental Hazard Statements: none

< 3> Composition/Information on Ingredients

Component: AllView PAGE Buffer (20×)

Description of the product: Mixture of substances listed below with nonhazardous additions

Hazardous Ingredient(s)

Sodium dodecyl sulfate CAS #: 151-21-3 Percent: 2 %
Synonym: Sodium lauryl sulfate

< 4 > First Aid Measures

Eye	If this chemical contacts the eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper lids. Consult a doctor immediately. Contact lenses should not be worn when working with this chemical.
Skin	If this chemical contacts the skin, immediately flush the contaminated skin with water. If this chemical penetrates the clothing, immediately remove the clothing and flush the skin with water. Get medical attention promptly.
Breathing	If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. If breathing has stopped, perform mouth-to-mouth resuscitation. Keep the affected person warm and at rest. Consult a doctor as soon as possible.
Swallow	If this chemical has been swallowed, consult a doctor immediately.

< 5 > Fire-Fighting Measures

Extinguishing Media	Water spray, Carbon dioxide, dry chemical powder or alcohol-resistant foam.
Protective Equipment	Wear self-contained breathing apparatus and protective suit.

< 6 > Accidental Release Measures

Personal precautions	Chemical protection suit including self-contained breathing apparatus.
Methods For Cleaning Up	Sweep spilled substance into covered containers. Carefully collect remainder. Then store and dispose of according to local regulations.

< 7 > Handling and Storage

Handling	Wear appropriate protective gloves, clothing and goggles.
Storage	Keep tightly closed. Store at room temperature.

< 8 > Exposure Controls / Personal protection

Exposure Limits Not available.

Wear appropriate protective eyeglasses or chemical safety goggles, protective gloves and protective lab coat. Use an approved respirator. Safety shower and eye wash are required. Mechanical exhaust is needed to control exposure. Carry out according to good industrial hygiene and safety procedures, such as, wash thoroughly after handling, remove and wash contaminated clothing.

< 9 > Physical/Chemical Properties

Appearance	Form: Liquid
Boiling point/range	No data available
Melting point/range	No data available
Flash point	No data available
Auto Ignition Temp	No data available
Decomposition Temp	No data 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	No information available.

< 11 > Toxicological Information

For Sodium dodecyl sulfate
Effective of short-term exposure: The substance is irritating to the eyes, skin and respiratory tract.
Effective of long-term or repeated exposure: Repeated or prolonged contact with skin may cause dermatitis.

Inhalation	Sore throat. Cough
Skin	Redness.
Eyes	Pain. Redness.
Ingestion	Nausea. Vomiting. Diarrhoea.

Acute toxicity
LD50 Intraperitoneal - mouse - 250 mg/kg
LD50 Intravenous - mouse - 118 mg/kg
LD50 Intraperitoneal - rat - 210 mg/kg
LD50 Intravenous - rat - 118 mg/kg
LD50 Inhalation - rat – > 3900 mg/m3/1H
LD50 Oral - rat - > 1288 mg/kg

< 12 > Ecological Information

This substance is toxic to aquatic organisms. It is strongly advised not to let the chemical enter into the environment.

< 13 > Disposal Considerations

Dispose of in accordance with local regulations.

< 14 > Transport Information

DOT Classification	Not regulated (United States).
IATA	Not regulated.
RID/ADR	Not regulated.
Special Provisions for Transport	Not applicable.

< 15 > Regulatory Information

US State Regulations:

TSCA inventory Item	Listed
SARA 313	No
California Proposition 65	No

Canadian Regulations:

DSL inventory Item	Listed
NDSL inventory Item	No
WHMIS classification	D2B: Poisonous and infectious material

Japanese Government Regulations:

Poisonous and Deleterious Substances Control Act	Not listed
Industrial Safety and Health Act	Not listed
PRTR	Listed: Class I Designated Chemical Substances

< 16 > Reference

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1) Japan CHEmicals Collaborative Knowledge database
2) NITE Chemical Risk Information Platform)
3) THE MERCK INDEX 13TH EDITION
4) UNECE web page (GHS pictograms)

< 17 > Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Biodynamics Laboratory Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.