

SAFETY DATA SHEET

Date Updated: Aug/01/2024

< 1 > Product and Company Information

Product Name	<i>Rapids</i> PALM, Protein S-Palmitoylation Detection Kit
Code Number	F017A
Component	2× Basal Buffer
Company	BioDynamics Laboratory Inc.
Address	9-7 Hongo 2-Chome, Bunkyo-Ku, Tokyo 113-0033 JAPAN
Phone	+81-3-5803-9983
Fax	+81-3-5684-6270

<2 > Hazards Identification (Evaluated as a single compound below (Sodium dodecyl sulfate))

Classification

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

Symbol:



Signal word

Danger

Hazard statement(s)

H302: Harmful if swallowed
 H310: Fatal in contact with skin
 H315: Causes skin irritation.
 H318: Causes serious eye damage.
 H370: Causes damage to the following organs: central nervous system
 H373: May cause damage to the following organs through prolonged or repeated exposure: liver
 H400: Very toxic to aquatic life
 H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P260: Do not breathe dust/fume/gas/mist/vapors/spray
 P262: Do not get in eyes, on skin, or
 P264: Wash face, hands and any exposed skin thoroughly after
 P270: Do not eat, drink or smoke when using this product
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P330: Rinse mouth
 P361: Remove/Take off immediately all contaminated clothing
 P364: Wash contaminated clothing before reuse
 P391: Collect spillage
 P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 P302+P352: IF ON SKIN: Gently wash with plenty of soap and water

P305+P351+P338: 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.
P308+P313: IF exposed or concerned Call a POISON CENTER or doctor/physician
P332+P313: If skin irritation occurs: Get medical advice/attention
P405: Store locked up
P501: Dispose of contents/container to an approved waste disposal plant

Supplemental Hazard Statements
none

< 3 > Composition/Information on Ingredients

Component	2× Basal Buffer	
Description of the product	Mixture of substances listed below with nonhazardous additions	
Hazardous Ingredient(s)		
Sodium dodecyl sulfate	CAS #: 151-21-3	Percent: 4 %
	Synonym: Sodium lauryl sulfate	

< 4 > First Aid Measures (Sodium dodecyl sulfate)

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 (Sodium dodecyl sulfate)

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 (Sodium dodecyl sulfate)

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 (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/m ³ /1H
	LD50 Oral - rat - > 1288 mg/kg

< 12 > Ecological Information (Sodium dodecyl sulfate)

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

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

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