

## ClearBand Lyse & Load

Cat#: orb1109249 (MSDS)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product Name: ClearBand Lyse & Load

#### 1.2 Product use

For research use only. Not intended for diagnostic or therapeutic use.

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### 2.2 Label elements

Signal word Not classified

Hazard statements Not classified

Symbols/Pictograms Not classified

Precautionary Statements - Prevention Wash hands thoroughly after handling

Precautionary Statements – Response IF exposed or concerned: Get medical advice/attention

#### 2.3 Other hazards

None known

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Product Name

Lyse & Load

Synonyms: -

Concentration: -

Formula: -

Molecular Weight: -

This product is a mixture.

#### 3.2 Mixture

Chemical Name	CAS No	Weight %
Sodium Dodecyl	151-21-3	<1

Sulfate		
Sodium Deoxycholate	302-95-4	0.5-2

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice If symptoms persist, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation Remove to fresh air If symptoms persist, call a physician Artificial respiration and/or oxygen may be necessary Call a physician Immediate medical attention is not required Move to fresh air in case of accidental inhalation of vapors

Ingestion Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Use personal protective equipment as required.

### Most important symptoms and effects, both acute and delayed

Symptoms No information available.

### Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None

### 5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

Hazardous combustion products No information available.

### 5.3 Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

### 5.4 Protective equipment and precautions for firefighters

Advice for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### 6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### 6.3 Methods and materials for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store in a cool, dry, well-ventilated area away from incompatible substances. Recommended storage temperature 22- 25 °C

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handling.

#### Personal protective equipment

**Eye/face protection:** Wear safety glasses with side-shields conforming to European Standard EN166.

**Hand protection:** Wear protective gloves conforming to EU Directive 89/686/EEC and European Standard EN374. Gloves must be inspected prior to use. Avoid skin contact with product when remove gloves. Dispose of contaminated gloves safely after use.

**Skin and body protection:** Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.

**Respiratory protection:** Wear suitable respiratory equipment in case of inadequate ventilation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

- a) Appearance: Liquid
- b) Odor: Odorless
- c) Odor Threshold: No data available
- d) pH: No data available
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: No data available
- g) Flash point: No data available
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): No data available
- j) Upper / lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: No data available
- n) Solubility(ies): No data available
- o) Partition coefficient: *n*-octanol / water: No data available
- p) Auto-ignition temperature: No data available
- q) Decomposition temperature: No data available
- r) Viscosity: No data available
- s) Explosive properties: No data available
- t) Oxidizing properties: No data available

## SECTION 10. STABILITY AND REACTIVITY

### Stability and reactivity

**Reactivity:** Not applicable

**Chemical stability:** Stable at a cool and dry place.

**Possibility of hazardous reactions:** None under normal processing

**Conditions to avoid:** Extremes of temperature and direct sunlight.

**Incompatible materials:** Strong oxidizing agents

**Hazardous decomposition products:** Carbon oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

a) Acute toxicity:

Component	LD50 Oral	LD50 Dermal	LD50 Inhalation
Sodium Dodecyl Sulfate	1288 mg/kg (Rat)	580 mg/kg (Rabbit)	3900 mg/m <sup>3</sup> (Rat)-1 h

(Solid)			
Sodium Deoxycholate	1370 mg/kg (Rat)	No data available (Rabbit)	No data available

- b) Skin corrosion / irritation: May cause skin irritation in susceptible persons.
- c) Serious eye damage/eye irritation: May cause eye irritation with susceptible persons.
- d) Carcinogenicity: None of the ingredients is listed.
- e) Reproductive toxicity: No data available
- f) STOT - SE: No data available
- g) STOT - RE: No data available
- h) Aspiration hazard: No data available

### 11.2 Potential health effects

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

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

### 11.3 Additional Information

No additional information is available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

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

Component	Toxicity to fish
Sodium Dodecyl Sulfate (Solid)	LC50 15-18.9 mg/L Pimephales promelas 96 h
	LC50 4.06-5.75 mg/L Lepomis macrochirus 96 h
	LC50 4.2-4.8 mg/L Lepomis macrochirus 96 h
	LC50 6.2-9.6 mg/L Pimephales promelas 96 h
	LC50= 4.2 mg/L Oncorhynchus mykiss 96 h
	LC50 13.5-18.3 mg/L Poe cilia reticulate 96 h
	LC50 5.8-7.5 mg/L Pimephales promelas 96 h
	LC50 9.9-20.1 mg/L Brachydanio rerio 96 h
	LC50 10.2-22.5 mg/L Pimephales promelas 96 h
	LC50 8-12.5 mg/L Pimephales promelas 96 h
	LC50= 4.5 mg/L Lepomis macrochirus 96 h
	LC50= 4.62 mg/L Oncorhynchus mykiss 96 h
	LC50 10.8-16.6 mg/L Poe cilia reticulate 96 h
	LC50 22.1-22.8 mg/L Pimephales promelas 96 h
	LC50 4.3-8.5 mg/L Oncorhynchus mykiss 96 h
	LC50= 1.31 mg/L Cyprinus carpio 96 h
LC50= 7.97 mg/L Brachydanio rerio 96 h	

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment is not required/was not conducted.

**SECTION 13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with federal, state and local requirements.

**Contaminated packaging**

Dispose of as unused product. Do not reuse empty containers.

**Section 14. TRANSPORT INFORMATION**

No dangerous good in sense of these transport regulations.

**14.1 DOT (US)**

Not regulated.

**14.2 IMDG**

Not regulated.

**14.3 IATA**

Not regulated.

**SECTION 15. REGULATORY INFORMATION**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 [REACH], as amended by Commission Regulation (EU) No 453/2010.

**15.1 SARA**

SARA 313: This product is not regulated by SARA.

**15.2 Clean water act (CWA)**

No chemicals are present in this product that are subject to regulation under the Clean Water Act.



### 15.3 Right to know components

Massachusetts : No chemicals are present which require disclosure under the Massachusetts Right to Know Act.

Pennsylvania : No chemicals are present which require disclosure under the Pennsylvania Right to Know Act.

New Jersey : No chemicals are present which require disclosure under the New Jersey Right to Know Act.

## SECTION 16. OTHER INFORMATION

### Key to abbreviations and acronyms

STOT-SE: Specific Target Organ Toxicity - Single Exposure

STOT-RE: Specific Target Organ Toxicity - Repeated Exposure

PBT: Persistent Bioaccumulative and Toxic

vPvB: very Persistent very Bioaccumulative and toxic

ADR: European Agreement concerning the international carriage of Dangerous goods by Road

CAS: Chemical Abstracts Service

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime code for Dangerous Goods

REACH: Registration, Evaluation, Authorization and restriction of Chemicals

RID: Regulations concerning the International transport of Dangerous goods by rail