

# Clear Lakes Products

## Sub-Zero

### Safety Data Sheet

Date of issue: 11/22/2022

Version: 1.0

#### SECTION 1: IDENTIFICATION

##### 1.1. Identification

Product form : Mixture  
Product name : Sub-Zero

##### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : NPE-Free Winter Teat dip for dairy cattle.

##### 1.3. Manufacturer

Clear Lake Products, Inc.  
21303 Highway 30  
Filer, Idaho 83328  
1-208-737-9887  
<https://www.clearlakesproducts.com/>

##### 1.4. Emergency telephone number

Emergency number: 24 Hour Emergency HAZMAT Response (800) 229-5252.  
EPA National Response Center (800) 424-8802.

#### SECTION 2: HAZARD(S) IDENTIFICATION

##### 2.1. Classification of the substance or mixture

###### GHS-US classification

Not classified

##### 2.2. GHS Label elements, including precautionary statements

No labeling applicable

##### 2.3. Other hazards which do not result in classification

No additional information available

##### 2.4. Unknown acute toxicity (GHS US)

Not applicable

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1. Substances

Not applicable

##### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Caprylic Acid	(CAS-No) 124-07-2	1	Skin Irritation, H314 Eye Irritation, H318
Glycerin	(CAS-No.) 5-81-5	60	Not Classified

#### SECTION 4: FIRST-AID MEASURES

##### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. If irritation occurs, obtain medical advice/attention.  
First-aid measures after eye contact : Rinse eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after inhalation : May cause slight irritation.
- Symptoms/injuries after skin contact : May cause slight irritation to the skin.
- Symptoms/injuries after eye contact : May cause irritation.
- Symptoms/injuries after ingestion : May cause gastrointestinal discomfort.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

No additional information available

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Incompatible products : None.
- Storage area : Store in a cool, dry area. Store out of direct sunlight.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Glycerin (56-81-5)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	N/A
ACGIH	Remark (ACGIH)	N/A
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

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### 8.3. Individual protection measures/Personal protective equipment

**Hand protection:**

Protective gloves

**Eye protection:**

Safety glasses

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
	: Dark blue
Odor threshold	:No data available :
pH	: Not applicable
Melting point	:No data available :
Freezing point	No data available :
Boiling point	No data available :
Flash point	No data available :
Relative evaporation rate (butyl acetate=1)	Not applicable. :
Flammability (solid, gas)	No data available :
Vapor pressure	No data available :
Relative vapor density at 20 °C	No data available :
Relative density	1.00 g/ml
Specific gravity / density	:No data available :
Solubility	No data available :
Log Pow	No data available :
Auto-ignition temperature	No data available :
Decomposition temperature	No data available :
Viscosity, kinematic	No data available :
Viscosity, dynamic	No data available :
Explosion limits	No data available :
Explosive properties	No data available
Oxidizing properties	

### 9.2. Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

None.

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### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

Caprylic acid (124-07-2)	
LD50 oral rat	LD50 = >2,000mg/kg (Rat)
LC50 inhalation rat	Unknown
LD50 dermal rabbit	LD50 = > 5,000 mg/kg

Skin corrosion/irritation : Not classified.  
pH:  
Serious eye damage/irritation : Not classified.  
pH:  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity – single exposure : Not classified  
Specific target organ toxicity – repeated exposure : Not classified  
Aspiration hazard : Not classified  
Viscosity, kinematic : No data available  
Symptoms/injuries : May cause gastrointestinal discomfort.  
Symptoms/injuries after inhalation : May cause slight irritation.  
Symptoms/injuries after skin contact : May cause slight irritation to the skin.  
Symptoms/injuries after eye contact : May cause slight irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Glycerin (56-81-5)	
LC50 fish	Static test LC50 = Oncorhynchus mykiss (rainbow trout) – 54,000 mg/l – 96 h
EC50 daphnia	No data available
EC50 algae	No data available

Caprylic Acid (124-07-2)	
LC50 fish	22 mg/l Lepomis macrochirus (Bluegill sunfish)-96 h
EC50 daphnia	>21 mg/l Daphnia magna (Water flea)- 48 h
Toxicity to algae	43.73 mg/l Pseudokirchneriella subcapitata (green algae)- 72 h
Toxicity to bacteria	912 mg/l Pseudomonas putida- 18 h

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### 12.2. Persistence and degradability

#### Caprylic acid (124-07-2)

Biodegradability

Aerobic – Exposure time 30 d  
Result: 72% - Readily biodegradable

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Other adverse effects

No additional information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Disposal methods

- Sewage disposal recommendations : Prevent liquid from entering sewers, watercourses, underground or low areas.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### TDG

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal regulations

#### Sub-Zero

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Caprylic Acid (124-07-2)

Not listed

N/A

#### Glycerin (56-81-5)

Not Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Not listed on SARA Section 313 (Specific toxic chemical listings)

### 15.2. International regulations

#### Canadian Regulations

No additional information available.

#### EU-Regulations

No additional information available.

#### National regulations

No additional information available.

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### 15.3. US State regulations

#### US State regulations

Caprylic Acid (124-07-2)	
State or local regulations	Not Listed

  

Glycerin (56-81-5)	
State or local regulations	Not Listed

### SECTION 16: OTHER INFORMATION

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee is expressed or implied as to the results to be obtained based upon your use of the information.