

SECTION 1: IDENTIFICATION

1.1. Identification

Product form : Mixture
 Product name : Turbo Prox Concentrate

1.2. Recommended use and restrictions on use

Use of the substance/mixture : 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

Oxidizing liquids Category 1 H271
 Acute toxicity (oral) Category 4 H302
 Acute toxicity (inhalation) Category 4 H332
 Skin corrosion/irritation Category 1A H314

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS-US) :



GHS03



GHS05



GHS07

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H271 - May cause fire or explosion; strong oxidizer
 H302 - Harmful if swallowed or if inhaled
 H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces. - No smoking
 P220 - Keep/Store away from clothing, combustible materials
 P221 - Take any precaution to avoid mixing with combustibles, clothing
 P260 - Do not breathe fume, mist, spray, vapors
 P261 - Avoid breathing fume, mist, spray, vapors
 P264 - Wash hands, forearms and face thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P271 - Use only outdoors or in a well-ventilated area
 P280 - Wear eye protection, face protection, face shield, protective clothing, protective gloves
 P283 - Wear fire/flammable resistant/retardant clothing
 P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P306+P360 - If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes
 P310 - Immediately call a doctor, a POISON CENTER
 P312 - Call a doctor if you feel unwell
 P321 - Specific treatment (see After contact with skin, wash immediately with water and soap., combustible materials, eye

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protection, face protection, protective clothing, protective gloves on this label)
P330 - Rinse mouth
P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use ABC-powder, carbon dioxide (CO₂), dry extinguishing powder, sand to extinguish
P371+P380+P375 - In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant, hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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
Proprietary Surfactant	(CAS-No.) Trade Secret	10 – 12	Skin Irritation, H315 Eye Irritation, H319
Hydrogen Peroxide	(CAS-No.) 7722-84-1	7 – 9	Oxidizing liquids 1, H271 Acute Toxicity (Oral) 4, H302 Acute Toxicity (Inhalation) 4, H332 Skin corrosion/irritation 1A, H314
Lactic Acid	(CAS-No.) 79-33-4	4 – 5	Skin Irritation 2, H315 Eye Damage 1, H318
Phosphoric Acid	(CAS-No.) 7664-38-2	1 – 2	Corrosive to Metals 1, H290 Skin corrosion 1B, H314 Serious eye damage 1, H318

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.

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.

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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 : Combustible materials.

Storage area : Store in a cool, dry area. Store out of direct sunlight. Isolate from combustible material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Phosphoric Acid (7664-38-2)		
ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
ACGIH	ACGIH STEL (mg/m ³)	3 mg/m ³
ACGIH	Remark (ACGIH)	URT, eye, & skin irritation
OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³

Hydrogen Peroxide (7722-84-1)		
ACGIH	ACGIH TWA (mg/m ³)	1 ppm (1.4 mg/m ³)
OSHA	OSHA PEL (TWA) (mg/m ³)	1 ppm (1.4 mg/m ³)
NIOSH	NIOSH RELs	1 ppm (1.4 mg/m ³)

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
	: Clear
Odor threshold	: No data available
pH	: 2.3
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1.06 g/ml
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	: No data available

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

Combustible materials.

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

Lactic acid (77-33-4)	
LD50 oral rat	LD50 = 3,543mg/kg (Rat)
LC50 inhalation rat	LC50 = 4h - >7.94 mg/l (OECD Test Guidance 403)
LD50 dermal rabbit	LD50 = > 2,000 mg/kg

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Hydrogen Peroxide (7722-84-1)	
LD50 oral mouse	LD50 = 2,000 mg/kg
LD50 dermal rabbit	LD50 = 4,060 mg/kg
Skin corrosion/irritation	: Not classified. pH: 2.3
Serious eye damage/irritation	: Not classified. pH: 2.3
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	: Causes skin corrosion.
Symptoms/injuries after eye contact	: Causes eye damage.

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.

Lactic acid (77-33-4)	
LC50 fish	Static test LC50 = <i>Oncorhynchus mykiss</i> (rainbow trout) – 130 mg/l – 96 h
EC50 daphnia	LC50 = <i>Daphnia magna</i> (water flea) – 130 mg/l – 48 h (OECD Test Guideline 202)
EC50 algae	Static test LC50 = <i>Pseudokirchneriella subcapitata</i> (algae) - >2.8 g/l – 72 h (OECD Test Guideline 201)
EC50 bacteria	Respiration inhibition EC50 = Sludge Treatment - >100 mg/l – 3 h (OECD Test Guideline 209)

Phosphoric Acid (7664-38-2)	
LC50 fish	138 mg/l (96 h; Pisces; Pure substance)
LC50 other aquatic organisms 1	100 - 1000 mg/l (96 h; Protozoa; Pure substance)
LC50 fish 2	100 - 1000 mg/l (Pisces; Pure substance)
LC50 other aquatic organisms 2	240 mg/l (Pure substance)
TLM fish 1	138 ppm (24 h; <i>Gambusia affinis</i> ; Pure substance)
Threshold limit other aquatic organisms 1	100 - 1000,96 h; Protozoa; Pure substance
Threshold limit other aquatic organisms 2	240 mg/l (Pure substance)

12.2. Persistence and degradability

Lactic acid (77-33-4)	
Biodegradability	Aerobic – Exposure time 20 d Result: 67% - Readily biodegradable Remarks: The 10 day time window criterion is not fulfilled.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Other adverse effects

No additional information available.

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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

Transport document description : UN2984 (Hydrogen peroxide, aqueous solutions), 5.1, III

- UN-No.(DOT) : UN2984
Class (DOT) : 5.1 - Class 5.1 - Oxidizer
Hazard labels (DOT) : 5.1 – Oxidizer
8 - Corrosive



- Packing group (DOT) : II - Medium Danger
DOT Packaging Exceptions (49 CFR 173.xxx) : None
Other information : No supplementary information available.

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

Turbo Prox Concentrate	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
Phosphoric Acid (7664-38-2)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
Hydrogen Peroxide (7722-84-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not listed on SARA Section 313 (Specific toxic chemical listings)	
CERCLA RQ	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb

15.2. International regulations

Canadian Regulations

No additional information available.

EU-Regulations

No additional information available.

National regulations

No additional information available.

15.3. US State regulations

US State regulations

Phosphoric Acid (7664-38-2)	
State or local regulations	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

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Lactic Acid (79-22-4)	
State or local regulations	U.S. - Pennsylvania - Right to Know - Listed U.S. - New Jersey - Right to Know - Listed

Hydrogen Peroxide (7722-84-1)	
State or local regulations	U.S. - New Jersey - Right to Know Hazardous Substance

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.