

ULTRA OXY

SECTION 1. IDENTIFICATION

Product Identifier	ULTRA OXY
Other Means of Identification	ESTEAM ULTRA OXY
Product Family	mixture
Recommended Use	Oxygen Bleach Additive.
Restrictions on Use	Product not recommended for use on wool or natural fibers.
Manufacturer	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
Emergency Phone No.	Canutec, 1-613-996-6666, 24 hr
Date of Preparation	March 14, 2018

SECTION 2. HAZARD IDENTIFICATION

Classification

Oxidizing solid - Category 2; Acute toxicity (Oral) - Category 4; Serious eye damage - Category 1; Reproductive toxicity - Category 1A

Label Elements



Signal Word:
Danger

Hazard Statement(s):

May intensify fire; oxidizer.
Harmful if swallowed.
Causes serious eye damage.
May damage fertility or the unborn child.

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep away from clothing and other combustible materials.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash thoroughly after handling.
Obtain special instructions before use.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Product Identifier: ULTRA OXY - Ver. 1
Date of Preparation: March 14, 2018
Date of Last Revision:

Continue rinsing.
Immediately call a POISON CENTER or doctor.
Do not handle until all safety precautions have been read and understood.
IF exposed or concerned: Get medical advice/attention.

Storage:
Store locked up.

Disposal:
Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium Percarbonate	15630-89-4	65-85		
Sodium Perborate, Tetrahydrate	10486-00-7	10-30		

Notes

*The exact percentage (concentrations) of the substance in the mixture has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Contact a physician if irritation persists.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

Releases oxygen to create an oxygen-rich atmosphere. Will cause combustible materials to ignite more readily.

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus and protective suit. Do not use combustible materials such as sawdust.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any

Product Identifier: ULTRA OXY - Ver. 1

Date of Preparation: March 14, 2018

Date of Last Revision:

waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing.

Conditions for Safe Storage

Store in the original, labelled, shipping container. Keep container tightly closed. Store in cool dry place. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear Chemical protective gloves.

Respiratory Protection

Not usually required when working with small quantities.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White crystalline powder. Particle Size: Not available
Odor	Odorless
Odor Threshold	Not available
pH	10.9 (1% solution)
Melting Point/Freezing Point	Not available (melting); Not applicable (freezing)
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Solubility	Soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available

Other Information

Physical State	Solid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Oxidizer. Promotes combustion. Substance has basic reaction.

Product Identifier: ULTRA OXY - Ver. 1

Date of Preparation: March 14, 2018

Date of Last Revision:

Page 03 of 06

Chemical Stability

Unstable when exposed to heat or moisture.

Possibility of Hazardous Reactions

Decomposes slowly: oxidation resulting in increased fire or explosion risk. This reaction is accelerated on explosion risk. This reaction is accelerated on exposure to water (moisture) temperature rise.

Conditions to Avoid

High temperatures. Generation of dust. Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

Strong reducing agents (e.g. hydrides), strong acids (e.g. hydrochloric acid). Organic materials, Powdered metals.

Hazardous Decomposition Products

Reacts with many compounds: oxidation resulting in increased fire explosion risk. Upon combustion: CO and CO₂ are formed.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin absorption; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium Percarbonate		1034 mg/kg (rat)	> 2000 mg/kg (rabbit)
Sodium Perborate, Tetrahydrate		1200 mg/kg (rat)	> 10000 mg/kg (rabbit)

Oral ATEmix = 1063.42 mg/kg

0% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

Animal tests show serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Irritating to respiratory system.

Skin Absorption

Can cause skin sensitization.

Ingestion

Harmful if swallowed. Symptoms may include nausea, vomiting, stomach cramps and diarrhea. May affect behavior/central nervous system (muscle weakness, convulsions).

Aspiration Hazard

No information was located.

Carcinogenicity

Not a carcinogen.

Reproductive Toxicity

Development of Offspring

Does not cause harm.

Sexual Function and Fertility

May cause effects on sexual function and/or fertility.

Germ Cell Mutagenicity

Product Identifier: ULTRA OXY - Ver. 1

Date of Preparation: March 14, 2018

Date of Last Revision:

Conclusions cannot be drawn from the limited studies available.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

Readily Biodegradable.

Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

Mobility in Soil

Low potential for absorption in soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	3378	sodium carbonate peroxyhydrate	5.1	III
US DOT	3378	sodium carbonate peroxyhydrate	5.1	III

Special Precautions Please note: Product is considered "LIMITED QUANTITIES" when shipped in innermost containers of 5 kg or less.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

SECTION 16. OTHER INFORMATION

SDS Prepared By Product safety manager

Phone No. 403-291-7050

Date of Preparation March 14, 2018

References CHEMINFO database. Canadian Center for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Center for Occupational Health and Safety (CCOHS). Raw ingredient SDS's.

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Product Identifier: ULTRA OXY - Ver. 1

Date of Preparation: March 14, 2018

Date of Last Revision:

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Product Identifier: ULTRA OXY - Ver. 1
Date of Preparation: March 14, 2018
Date of Last Revision:

Page 06 of 06