

# ULTRA OXY

## SECTION 1. IDENTIFICATION

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

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

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

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

### **Other Information**

<b>Physical State</b>	Solid
<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available
<b>Bulk Density</b>	Not available

## **SECTION 10. STABILITY AND REACTIVITY**

### **Reactivity**

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Oxidizer. Promotes combustion. Substance has basic reaction.

### 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 CO<sub>2</sub> 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.

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## Germ Cell Mutagenicity

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.

**Disclaimer** All information appearing herein is based upon data obtained from raw material manufacturers and/or recognized technical sources. While the information herein is believed to be true and

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accurate, we make no representation as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible to make their own investigation into the suitability of the information to their particular purposes. User assumes all risks of their handling, disposal and publication or use of the product, or reliance upon information contained herein. This information applies only to the product designated within this document and does not relate to its use in combination with any other chemical product. **READ THE LABEL** before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.

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