

OCTAVE

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OCTAVE

Other means of identification : Not applicable

Recommended use : Sanitizer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : No dilution information provided.

Company : Ecolab Inc.

1 Ecolab Place

St. Paul, Minnesota USA 55102

1-800-352-5326

Emergency health

information

: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 10/30/2020

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Oxidizing liquids : Category 3
Acute toxicity (Oral) : Category 4
Acute toxicity (Inhalation) : Category 4
Skin corrosion : Category 1A
Serious eye damage : Category 1

GHS label elements

Hazard pictograms :







Signal Word : Danger

Hazard Statements : May intensify fire; oxidizer.

Harmful if swallowed or if inhaled.

Causes severe skin burns and eye damage.

Precautionary Statements : Prevention:

Keep away from heat. Keep/Store away from clothing/ combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear

protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce

vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water

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for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wash contaminated clothing before reuse. In case of fire: Use dry sand, dry

chemical or alcohol-resistant foam to extinguish.

Storage: Store locked up. **Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

Other hazards : Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
Phosphoric acid	7664-38-2	10 - 30
Hydrogen peroxide	7722-84-1	7.52
Secondary Alkanesulphonates	5324-84-5	1 - 5
Octanoic acid	124-07-2	2.72
phosphonic acid, (1-hydroxyethylidene)bis-	2809-21-4	1 - 5
Peroxyoctanoic acid	33734-57-5	0.94

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at

least 15 minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.

Wash clothing before reuse. Thoroughly clean shoes before reuse.

Get medical attention immediately.

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give

anything by mouth to an unconscious person. Get medical attention

immediately.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and

delayed

: See Section 11 for more detailed information on health effects and

symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire : Oxidizer. Contact with other material may cause fire.

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fighting

Hazardous combustion

products

: Decomposition products may include the following materials:

Carbon oxides

Nitrogen oxides (NOx)

Sulfur oxides

Oxides of phosphorus

Special protective equipment

for fire-fighters

: Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be

disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures

listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Isolate absorbed wastes contaminated with this product from other waste streams containing combustible materials (paper, wood fibers, cloth, etc.). Combustible materials exposed to this product should be rinsed immediately with large amounts of water to ensure that all product is removed. Residual product which is allowed to dry on organic materials such as rags, cloths, paper, fabrics, cotton, leather, wood, or other combustibles may spontaneously ignite and result in a fire.

may sportianeously ignite and result in

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not

breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of

product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep in a cool, well-ventilated place. Keep away from reducing

agents. Keep away from strong bases. Keep away from combustible material. Keep out of reach of children. Keep container tightly closed.

Store in suitable labeled containers.

Storage temperature : 5 °C to 40 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

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Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Phosphoric acid	7664-38-2	TWA	1 mg/m3	ACGIH
		STEL	3 mg/m3	ACGIH
		TWA	1 mg/m3	NIOSH REL
		STEL	3 mg/m3	NIOSH REL
		TWA	1 mg/m3	OSHA Z1
Hydrogen peroxide	7722-84-1	TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m3	NIOSH REL
		TWA	1 ppm 1.4 mg/m3	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations

below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection and/or face protection.

: Wear the following personal protective equipment: Hand protection

Standard glove type.

Gloves should be discarded and replaced if there is any indication of

degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves,

safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they

must use appropriate certified respirators.

: Handle in accordance with good industrial hygiene and safety Hygiene measures

practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes

and body in case of contact or splash hazard.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid Color : colorless Odor slight

: 1.0, (100 %) pΗ Flash point : Not applicable Odor Threshold : No data available Melting point/freezing point : No data available Initial boiling point and

boiling range

: No data available

Evaporation rate : No data available Flammability (solid, gas) : Not applicable : No data available Upper explosion limit : No data available Lower explosion limit

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Vapor pressure : No data available Relative vapor density : No data available

Relative density : 1.215

Water solubility : No data available Solubility in other solvents : No data available Partition coefficient: n-: No data available

octanol/water

Autoignition temperature : No data available Thermal decomposition : No data available Viscosity, kinematic : No data available Explosive properties : No data available Oxidizing properties : No data available Molecular weight : No data available VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Contamination may result in dangerous pressure increases - closed

containers may rupture.

Possibility of hazardous

reactions

: Do not mix with bleach or other chlorinated products – will cause

chlorine gas.

Conditions to avoid : None known.

: Bases Incompatible materials

Metals

Organic materials

Hazardous decomposition

products

: In case of fire hazardous decomposition products may be produced

such as:

Carbon oxides

Nitrogen oxides (NOx)

Sulfur oxides

Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

exposure

Information on likely routes of : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes serious eye damage.

Skin : Causes severe skin burns.

: Harmful if swallowed. Causes digestive tract burns. Ingestion

Inhalation : Harmful if inhaled. May cause nose, throat, and lung irritation.

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Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Pain, Corrosion

Skin contact : Redness, Pain, Corrosion

Ingestion : Corrosion, Abdominal pain

Inhalation : Respiratory irritation, Cough

Toxicity

Product

Acute oral toxicity : LD50 Rat: > 300 - 2,000 mg/kg

Test substance: Product

Acute inhalation toxicity : 4 h LC50 Rat: > 1 - 5 mg/l

Test substance: Product Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Rat: > 5,000 mg/kg

Test substance: Product

Skin corrosion/irritation : Corrosive

Test substance:Product

Serious eye damage/eye : Corrosive

irritation Test substance: Product

Respiratory or skin : Does not cause skin sensitization.

sensitization Test substance: Product

Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Toxic to aquatic life.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other

aquatic invertebrates

: 48 h EC50 Daphnia magna (Water flea): 21.2 mg/l

Test substance: Product

Toxicity to algae : No data available

Components

Toxicity to fish : Octanoic acid

96 h LC50 Lepomis macrochirus (Bluegill sunfish): 22 mg/l

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phosphonic acid, (1-hydroxyethylidene)bis-

96 h LC50 Fish: 368 mg/l

Peroxyoctanoic acid 96 h LC50 Fish: 0.15 mg/l

Components

Toxicity to algae : Phosphoric acid

72 h EC50 Desmodesmus subspicatus (green algae): > 100 mg/l

Hydrogen peroxide 72 h EC50: 1.38 mg/l

Persistence and degradability

Not applicable - Biocide

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or

used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste

disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and

federal regulations.

RCRA - Resource

Conservation and Recovery Authorization Act Hazardous

waste

: D002 (Corrosive) D001 (Ignitable)

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number : 3264

Description of the goods : Corrosive liquid, acidic, inorganic, n.o.s.

(Phosphoric acid, Hydrogen peroxide)

Class : 8
Packing group : III
Environmentally hazardous : no

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Sea transport (IMDG/IMO)

UN number : 3264

Description of the goods : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

(Phosphoric acid, Hydrogen peroxide)

Class : 8
Packing group : III
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

EPA Registration number : 1677-207

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ
			(lbs)
Phosphoric acid	7664-38-2	5000	18821

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Oxidizer (liquid, solid or gas)

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 302 : No chemicals in this material are subject to the reporting requirements

of SARA Title III, Section 302.

The following components are subject to reporting levels established

by SARA Title III, Section 302:

Hydrogen peroxide 7722-84-1 7.52 %

SARA 313 : This material does not contain any chemical components with known

CAS numbers that exceed the threshold (De Minimis) reporting levels

established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation does not apply to this product.

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations:

not determined

United States TSCA Inventory:

All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL):

This product contains one or several components listed in the Canadian NDSL.

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Australia. Australian Industrial Chemicals Introduction Scheme (AICIS):

On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances:

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI):

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

not determined

China. Inventory of Existing Chemical Substances in China (IECSC):

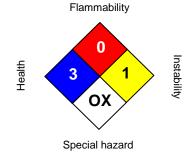
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI):

not determined

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High 4 = Extreme, * = Chronic

Issuing date : 10/30/2020

Version : 1.5

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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