SAFETY DATA SHEET

SECTION 1) IDENTIFICATION

Product ID: OXISAN

Product Name: OXISAN

Revision Date: May 13, 2022 **Date Printed:** May 13, 2022

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Manufacturer's Name: CONSTANT

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Product/Recommended Uses: PERACETIC ACID BASED CLEANER / SANITIZER

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute toxicity Inhalation Vapor - Category 2

Acute toxicity Oral - Category 4

Corrosive to metals - Category 1

Flammable Liquids - Category 4

Oxidizing Liquids - Category 3

Serious Eye Damage - Category 1

Skin Corrosion - Category 1A

Pictograms

Signal Word

Danger

Hazardous Statements - Health

Fatal if inhaled

Harmful if swallowed

Causes severe skin burns and eye damage

Hazardous Statements - Physical

May be corrosive to metals

Combustible Liquid

May cause fire or explosion; Strong oxidizer

Precautionary Statements - General

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

In case of inadequate ventilation, wear respiratory protection.

Wash thoroughly/hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Keep only in original packaging.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

Keep away from clothing and other combustible materials.

Wear fire resistant or flame retardant clothing.

Precautionary Statements - Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor.

Specific treatment is urgent (see First-Aid on this label).

IF SWALLOWED: Call a POISON CENTER or doctor, if you feel unwell.

Rinse mouth.

Absorb spillage to prevent material damage.

In case of fire: Use carbon-dixoxide, alcohol foam, water spray or dry chemical to extinguish.

IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Wash contaminated clothing before reuse.

Specific treatment (see First-Aid on this label).

Precautionary Statements - Storage

Store at temperatures not exceeding 40°C/104°F.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Store in a corrosive resistant container with a resistant inner liner.

Store in a well-ventilated place.

Store separately .

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/national/international regulation. Under RCRA it is the responsibility of the user of the products to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Physical Hazards Not Otherwise Classified

No data available.

Health Hazards Not Otherwise Classified

No data available.

Acute toxicity of 20.57% of the mixture is unknown

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

S3 Automated Statements

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

CAS	Chemical Name	% By Weight
0007722-84-1	HYDROGEN PEROXIDE	10.0% - 30.0%
0000064-19-7	ACETIC ACID	7.0% - 13.0%
0000079-21-0	PERACETIC ACID	5.0% - 10.0%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If unwell, or exposed and concerned: Get medical advice/attention.

Eye Contact

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a flushing duration of 30 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Store clothing under water and wash clothing before re-use {or discard}. IF exposed or concerned: Get medical advice/attention.

Ingestion

Rinse mouth. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. IF exposed or concerned: Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

water spray with additive (for example with an AFFF, agent forming a floating film), carbon dioxide, chemical powders, or foam (water with the addition of a special emulsifier compatible with polar products). Water can be used to cool containers exposed to fire. Responders will be equipped with self-contained, insulating breathing apparatus.

Unsuitable Extinguishing Media

None.

Specific Hazards in Case of Fire

No data available.

Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

Recommended Equipment

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing. Ensure adequate ventilation. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Recover the product by sponging it with an inert absorbent material (sand, vermiculite, etc.).
Wash the surface that has been soiled with plenty of water.

SECTION 7) HANDLING AND STORAGE

General

Do not get in eyes
Eating, drinking and smoking in work areas is prohibited.
Avoid formation of dust and aerosols.
Ensure adequate ventilation.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep tightly closed in a dry and cool place. Temperature 10-30 °C

Do not expose to temperatures exceeding 40 °C

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear eye protection with side shields or goggles.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment that meets HEPA/P100 specifications

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	CANsmg	CANsppm	CANtmg	CANtppm	CAN_QCVECD mg - CANADA_QUEBEC VALEUR D''EXPOSITION DE COURTE DURÉE_mg	CAN_QCVECD ppm - CANADA_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE_ppm	CAN_QCVEMP mg - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_mg	CAN_QCVEMP ppm - CANADA_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE_ppm
ACETIC ACID	39	15	26	10	37	15	25	10
HYDROGEN PEROXIDE	2.8	2	1.4	1			1,4	1

PERACETIC ACID						0,4		

Chemical Name	CAN_QC - CANADA_QUEBEC OSHA	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations
ACETIC ACID	1		15		10		URT & eye irr; pulm func	
HYDROGEN PEROXIDE	1				1	A3	Eye, URT & skin irr	A3
PERACETIC ACID	1		0.4 (IFV)			A4	URT, eye, & skin irr	A4

(IFV) - Inhalable fraction and vapor, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen, func - Function, irr - Irritation, pulm - Pulmonary, URT - Upper respiratory tract

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	0.9 g/ml
% VOC	N/A
Density VOC	N/A
Specific Gravity	1.108±0.01
Flash Point Symbol	N/A
Flash Point	83.0 °C
Coefficient Water/Oil	N/A
Flammability	Will not burn
Water Solubility	Soluble
Viscosity	3.20 cps
Appearance	Clear colourless liquid
pH	3.05±0.50
Odor Threshold	N/A
Odor Description	Vinegar
Upper Explosion Level	N/A
Lower Explosion Level	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Freezing Point	0.0 °C
Melting Point	N/A
High Boiling Point	100.0 °C
Low Boiling Point	50.0 °C
Auto Ignition Temp	N/A
Evaporation Rate	N/A
Decomposition Pt	N/A

SECTION 10) STABILITY AND REACTIVITY

Reactivity

No data available.

Stability

Stable under normal storage and handling conditions.

Conditions To Avoid

Avoid heat, sparks, flame, high temperature and contact with incompatible materials.

Hazardous Reactions/Polymerization

This product is non-flammable by itself, but it is a strong oxidizing liquid which can cause ignition of combustible or oxidizable materials on contact. The product may decompose violently on contact with metals or their salts, dusts or other contaminates. Wood or paper saturated with this product may combust spontaneously.

Contact with steel is dangerous, since the product will decompose in its presence, evolving oxygen and generating heat, which can cause rapid pressure buildup in inadequately vented containers. The oxygen and heat will initiate the combustion of flammable materials and could result in explosions.

Hazardous polymerization will not occur.

Incompatible Materials

Bases, reducing agents, organic materials, combustible material, and soft metals like iron and copper

Hazardous Decomposition Products

Carbon, phosphorous and sulfur oxides, and oxygen.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation, ingestion, skin absorption.

Inhalation, Ingestion, Skin contact, Eye contact

0007722-84-1 HYDROGEN PEROXIDE

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

Acute Toxicity

Fatal if inhaled

Harmful if swallowed

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

Aspiration Hazard

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive Toxicity

Based on available data, the classification criteria are not met.

Respiratory/Skin Sensitization

Based on available data, the classification criteria are not met.

0000064-19-7 ACETIC ACID

Inhalation can irritate the nose and throat.

Serious Eye Damage/Irritation

Causes serious eye damage

0000064-19-7 ACETIC ACID

Contact with eyes cause burns.

0007722-84-1 HYDROGEN PEROXIDE

Corrosive to the eye.

Skin Corrosion/Irritation

Causes severe skin burns and eye damage

0000064-19-7 ACETIC ACID

Contact with skin causes burns.

0007722-84-1 HYDROGEN PEROXIDE

Corrosive to the skin.

Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

0007722-84-1 HYDROGEN PEROXIDE

The vapour is irritating to the respiratory tract.

Miscellaneous Health Effects

0000064-19-7 ACETIC ACID

Can cause bronchitis to develop with cough, phlegm and/or shortness of breath.

0007722-84-1 HYDROGEN PEROXIDE

Ingestion of this substance may produce oxygen bubbles (embolism) in the blood, resulting in shock.

0007722-84-1 HYDROGEN PEROXIDE

LC50 (rat): 2000 mg/m3 (4-hour exposure; whole body exposure) (concentration not specified) (3) NOTE: This value is not considered reliable since a whole body exposure was used and the study was poorly reported.

LD50 (oral, male rat): 1193 mg/kg (35% solution) (4, unconfirmed)
LD50 (oral, female rat): 801 mg/kg (60% solution) (4, unconfirmed)
LD50 (oral, male rat): 75 mg/kg (70% solution) (4, unconfirmed)
LD50 (oral, mouse): 2000 mg/kg (90% solution) (4,12, unconfirmed)
LD50 (dermal, rabbit): approximately 690 mg/kg (90% solution) (4, unconfirmed)
LD50 (oral, male rat): 1517 mg/kg (9.6% solution) (4,12)

0000064-19-7 ACETIC ACID

LC50 (mouse): 2810 ppm (4-hour exposure); cited as 5620 ppm (1-hour exposure) (17)

LD50 (dermal, guinea pig): 3360 mg/kg (cited as 3.2 mL/kg) (28% solution) (24, unconfirmed)
LD50 (oral, rat): 3530 mg/kg (concentration not specified) (18)

SECTION 12) ECOLOGICAL INFORMATION

Classification of the substance or mixture

No data available.

Toxicity

Based on available data, the classification criteria are not met.

Persistence and Degradability

0000064-19-7 ACETIC ACID

Readily biodegradable.

0007722-84-1 HYDROGEN PEROXIDE

Readily biodegradable.

Bioaccumulative Potential

0007722-84-1 HYDROGEN PEROXIDE

No potential for bioaccumulation.

Mobility in Soil

0000064-19-7 ACETIC ACID

The substance is not PBT / vPvB.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

0000064-19-7 ACETIC ACID

The substance is not PBT / vPvB.

0007722-84-1 HYDROGEN PEROXIDE

The substance is not PBT / vPvB.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.
Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

	Transport Canada Information	U.S. DOT Information	IMDG Information	IATA Information
UN number:	UN3149	UN3149	UN3149	UN3149
Proper shipping name:	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water and not more than 5 percent peroxyacetic acid	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water and not more than 5 percent peroxyacetic acid	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water and not more than 5 percent peroxyacetic acid	Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water and not more than 5 percent peroxyacetic acid
Hazard class:	5.1			
Hazard class:		5.1 (8)	5.1 (8)	5.1 (8)
Packaging group:	II	II	II	II
Hazardous substance (RQ):		No Data Available		
Marine Pollutant:		No Data Available	No Data Available	
Note / Special Provision:	No Data Available	No Data Available	No Data Available	No Data Available
Toxic-Inhalation Hazard:		No Data Available		

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0007722-84-1	HYDROGEN PEROXIDE	20.0% - 60.0%	DSL,IARCCarcinogen,CAN_QC - CANADA_QUEBEC OSHA
0000064-19-7	ACETIC ACID	7.0% - 13.0%	DSL,CAN_QC - CANADA_QUEBEC OSHA,CAN_VOC - Canada_VOC
0000079-21-0	PERACETIC ACID	5.0% - 10.0%	Canada_NPRI,DSL,Canada_NPRI_Part1A,CAN_QC - CANADA_QUEBEC OSHA,CAN_VOC - Canada_VOC

The information in this Section does not list non-hazardous components that might have relevant CAN_VOC - Canada_VOC, Canada_NPRI, Canada_NPRI_Part1A, DSL regulatory values, if they are present at less than 10%. Please contact manufacturer for more information.

SECTION 16) OTHER INFORMATION

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDGCanadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Version 3.0:

Revision Date: May 13, 2022

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