

Project Clean


a naturally better tomorrow

Safety Data Sheet Sections

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SECTION 1: IDENTIFICATION	
Product Trade Name:	Project Clean Hyper Concentrate Oxygen Bleach
Product Code:	
Recommended Use:	Hydrogen peroxide-based bleach
Restrictions on Use:	For Industrial and Institutional use only
Manufacturer Name:	Project Clean Inc.
Manufacturer Address:	1607 Derwent Way, Delta, B.C. Canada V3M 6K8
Manufacturer Phone Number:	800-663-9925
Emergency Phone Number/ 24-Hour Number:	Canada: Canutec 613-996-6666 U.S.A.: Chemtrec 800-424-9300

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SECTION 2: HAZARD IDENTIFICATION	
Physical Hazards:	OXIDIZING LIQUID – Category 2
Health Hazards:	ACUTE TOXICITY – ORAL – Category 4
	SKIN CORROSION/IRRITATION – Category 1
	EYE DAMAGE/IRRITATION – Category 1
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3
Symbol:	
Signal word:	Danger
Hazard Statement:	H272 May intensify fire; oxidizer.
	H303 Harmful if swallowed.
	H314 Causes severe skin burns and eye damage.
	H318 Causes serious eye damage.
	H335 May cause respiratory irritation.
PRECAUTIONARY STATEMENTS	
Prevention:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P220 Keep away from clothing and other combustible materials.
	P260 Do not breathe dusts or mists.
	P264 Wash hands or affected area thoroughly after handling.

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SECTION 2: HAZARD IDENTIFICATION	
	P270 Do not eat, drink or smoke when using this product.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Responses:	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 [or shower].
	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P321 Specific treatment (see supplemental first aid information on this label).
	P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
	P363 Wash contaminated clothing before reuse.
	P370 + P378 In case of fire: Use water fog, alcohol foam to extinguish.
Storage:	P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
	P405 Store locked up.
Disposal:	P501 Dispose of contents/ container to an approved waste disposal plant.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	Approx. Wt.%	CAS Number
Hydrogen Peroxide	10-30	7722-84-1

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SECTION 4: FIRST-AID MEASURES	
General Information:	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
Inhalation:	Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Flood area with cool water for at least 20 minutes or until help arrives. Make sure water doesn't flow onto another part of the person's body or onto you. Don't use a strong stream of water, if possible. As you flush the burn (not before), remove jewelry or articles of clothing with chemical on them, unless they're stuck to the person's body. Don't try to neutralize the burn with acid or alkali. This could cause

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SECTION 4: FIRST-AID MEASURES	
	a chemical reaction that worsens the burn. Don't put antibiotic ointment on the burn.
Eye Contact:	Have the person immediately rinse the eye or eyes under a faucet, in a gentle shower, or with a clean container of water. Keep the person's face so that the injured eye is down and to the side. Avoid spraying a high-pressure water stream into the eye or eyes. Flush with lukewarm water for 15 to 30 minutes. For severe burns, continue flushing until you see a doctor, or you arrive in an emergency room. The person should keep the eye open as wide as possible. Wash the person's hands thoroughly to make sure no chemical is still on them. Flush the eye to remove contact lenses. If they do not come out, try to gently remove them AFTER flushing. Do not rub the eye or place a bandage over the eye. While waiting for medical care, have the person wear sunglasses to decrease light sensitivity.
Ingestion:	Do not induce vomiting. If the victim is fully conscious, give plenty of clean water to drink to dilute product. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing. Call a Physician.
Self-Protection of the First Aider:	Remove all sources of ignition. Ensure that first aid personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Most Important Symptoms/ Effects, Acute and Delayed:	<p>Ingestion: May burn mouth and throat. May cause gastrointestinal irritation or ulceration.</p> <p>Inhalation: Low toxicity. Excessive exposure may cause severe irritation to the upper respiratory tract.</p> <p>Eyes and skin: May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Brief contact may cause skin burns.</p>
If irritation occurs or persists, get medical attention.	

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SECTION 5: FIRE-FIGHTING MEASURES	
Suitable Extinguishing Media:	Water fog, alcohol foam, or dry chemical.
Unsuitable Extinguishing Media:	None known.
Flammability:	Not flammable.
Flash Point:	Not flammable.
Special Firefighting Procedures:	Directing a solid stream of water into a hot burning liquid can cause frothing and spread the fire. Wear NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces. Substance is non-combustible but has an oxidizing effect.

SECTION 5: FIRE-FIGHTING MEASURES

Unusual Fire / Explosion Hazards:	Substance is an oxidizer, may intensify fire. The decomposition rate, which is low at room temperature, is accelerated by heat, light and alkalies. It can increase to an explosion. Decompose to water and oxygen.
Hazardous Decomposition Products:	None known.

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Environmental Protection Precautions:	Do not release to the environment or water source.
Steps to be Taken in Case Material is Released or Spilled:	Wear protective equipment. Sweep up and shovel material into an appropriate waste container. Flush area with water if appropriate. Keep material away from sewers. Reuse if possible, otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

[Back to Top](#)**SECTION 7: HANDLING AND STORAGE**

Precautions to be Taken in Handling and Storage:	Use good industrial hygiene. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Keep out of reach of children. Store at temperatures below 30°C and above 5°C. Do not store in metal containers.
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OSHA (PEL): N/A	ACGIH TLV: N/A	Other exposure limit: N/A
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INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT

Appropriate Engineering Controls:	Mechanical ventilation (dilution or local exhaust) or good general ventilation.
Skin Protection:	Hand Protection: Butyl rubber, neoprene, latex or nitrile gloves. Other Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Appropriate footwear should be selected based on the task being performed and the risks involved.
Eye and Face Protection:	Use chemical goggles or safety glasses.
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Other Protective Equipment:	Eye wash, safety shower and full protective clothing recommended in the immediate work area.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless, clear liquid
Odour:	Odourless
Odour threshold:	N/A
pH:	<4.0
Melting point/Freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash Point:	>100°C
Evaporation Rate (Water=1):	N/A
Flammability:	Not flammable
Upper/Lower flammability or explosive limits:	None.
Vapour pressure:	N/A
Vapour density:	N/A
Relative density/Specific gravity (Water = 1):	1.02 @ 20°C
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	Not flammable
Decomposition temperature:	N/A
Viscosity:	N/A
VOCs%:	N/A

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SECTION 10: STABILITY AND REACTIVITY

Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions. Decomposition rate is slow in room temperature.
Possibility of hazardous reactions:	N/A
Conditions to avoid:	Temperatures above 30°C and below 5°C. Combustible materials exposed to hydrogen peroxide should be immediately submerged in or

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SECTION 10: STABILITY AND REACTIVITY	
	rinsed with large amounts of water to ensure that all hydrogen peroxide is removed. Residual hydrogen peroxide that is allowed to dry (upon evaporation, hydrogen peroxide can concentrate) on organic materials such as paper, fabrics, cotton, leather, wood, or other combustibles, can cause the material to ignite and result in a fire.
Incompatibility:	Organic materials. Reducing agents. Alkalis. Combustible material. Metals. Heavy metals and their salts.
Hazardous Decomposition Products:	Oxygen, steam.

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SECTION 11: TOXICOLOGICAL INFORMATION	
Likely routes of exposure:	Ingestion, skin and eye contact.
Symptoms:	Redness. Burning. Skin might turn white. Prolonged contact may cause blindness. Coughing and/ or wheezing.
Acute Toxicity Estimates:	LD ₅₀ Oral ATE >1518 mg/kg, 0% of the mixture consists of ingredients(s) of unknown acute toxicity
	LD ₅₀ Dermal ATE > 2000 mg/kg
	LD ₅₀ Inhalation ATE: N/A
Carcinogenicity:	Hydrogen Peroxide (CAS# 7722-84-1) is listed as Group 3 carcinogen by IARC. Group 3 – Not Classifiable as to Carcinogenicity in Humans

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SECTION 12: ECOLOGICAL INFORMATION	
Toxicity to Fresh Water Algae:	N/A
Toxicity to Fish Species:	Hydrogen Peroxide (CAS# 7722-84-1): LC ₅₀ (Pimephales promelas) 16.4 mg/L, Exposure Time, 96 h, Test Type: N/A LC ₅₀ (Lepomis macrochirus) 18-56 mg/L, Exposure Time, 96 h, Test Type: Static LC ₅₀ (Oncorhynchus mykiss) 10.0-32.0 mg/L, Exposure Time, 96 h, Test Type: Static
Toxicity to Aquatic Invertebrates:	Hydrogen Peroxide (CAS# 7722-84-1): EC ₅₀ (Daphnia magna (water flea)): 18-32 mg/L, Exposure Time: 48 h, Test Type: N/A
Persistence and degradability:	N/A

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SECTION 13: DISPOSAL CONSIDERATIONS

Recommended Waste Disposal Methods:	Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
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Canadian TDG UN Number:	2014
UN Proper Shipping Name:	HYDROGEN PEROXIDE, AQUEOUS SOLUTION w/20-60% Hydrogen Peroxide (stabilized as necessary)
Transport Hazard Class(es):	5.1(8)
Packing Group:	II
Environmental Hazards:	Readily biodegradable.
Special Precautions for User:	Missing
Additional Information:	Limited Quantity Index: 1kg

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HAZARD RATING INFORMATION 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant	HMIS <table border="1"> <tr> <td style="background-color: #0056b3; color: white;">3</td> <td>Health</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">0</td> <td>Flammability</td> </tr> <tr> <td style="background-color: #ffff00; color: black;">1</td> <td>Reactivity</td> </tr> <tr> <td>B</td> <td>Personal protection</td> </tr> </table> <p>C = Safety glasses + Gloves + Apron</p>	3	Health	0	Flammability	1	Reactivity	B	Personal protection
3	Health								
0	Flammability								
1	Reactivity								
B	Personal protection								
HMIS Protection Group B									
<p>All pertinent hazard information has been provided in this SDS, per the requirements of the U.S. Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, and the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).</p>									

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SECTION 16: OTHER INFORMATION	
ACRONYM LIST	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
DSL/NDSL	Domestic Substances List/ Non-domestic Substance List
EC₅₀	Half maximal effective concentration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
LC₅₀	Lethal concentration, 50%
LD₅₀	Lethal dose, 50%
MSHA	Mine Safety and Health Administration
N/A	Not Available
NIOSH	The National Institute for Occupational Safety and Health
N.O.S.	Not Otherwise Specified
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PNOC	Particulates not otherwise classified
PMMCC	Pensky-Martens Closed Cup
P_{ow}	Partition Coefficient Octanol: Water
SDS	Safety Data Sheets
STOT – SE	Specific Target Organ Toxicity – Single Exposure
STOT – RE	Specific Target Organ Toxicity – Repeated Exposure
TDG	Transportation of Dangerous Goods
TLV	Threshold Limit Value
UN	United Nations
VOCs	Volatile Organic Compounds
WEL	Workplace Exposure Limit
WHMIS	Workplace Hazardous Materials Information System

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It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. (formerly Maxim Chemical International Inc.) will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.