SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product Identifier: Perox Peracitic Acid
Other Means of Identification: None

Recommended Use: No further relevant information available.
Restrictions on Use: No further relevant information available.

Supplier Identifier: CONTRACT PACKAGING DISTRIBUTION INC
155 Bethridge Rd
Etobicoke, ON M9W 1N4 Canada

Emergency Telephone Number: CALL CANUTEC'S 24-HOUR NUMBER
613-996-6666

SECTION 2. HAZARD IDENTIFICATION

Classification The product is classified and labeled according to the Globally Harmonized System (GHS).
Oxidizing Liquids 3 H272
Skin Corrosion/Irritation 1A H314
Serious Eye Damage/Irritation 1 H318
Health Hazards Not Otherwise Classified 1

Other Hazards

Signal word: Danger
Hazard-determining components of labeling: Hydrogen Peroxide, Peracetic Acid solution.
Hazard statements: May intensify fire; oxidizer. Causes severe skin burns and eye damage. Causes serious eye damage. Causes digestive tract burns. **Precautionary statements:** If medical advice is needed, have product container or label at hand. Keep out of reach of children. Store locked up. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep away from clothing/combustible material. Avoid mixing with incompatible materials. Wash thoroughly after handling. Do not breathe mist/vapours/spray.
If on skin (or hair): Rinse skin with water. Remove immediately all contaminated clothing. Wash contaminated clothing before reuse.
If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor.
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

In case of fire: use water for extinction.
Dispose of contents/container in accordance with local/regional/national regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Other Names/Identifiers	CAS No.	Concentration
Hydrogen Peroxide		7722-84-1	1- 5%
Acetic Acid		64-19-7	5-10%
Peracetic Acid	Peroxyacetic Acid	79-21-0	4- 5%

SECTION 4. FIRST-AID MEASURES

Inhalation: Move to fresh air. In case of unconsciousness place patient stably in side position for transportation. Then consult a doctor.

Skin Contact: Immediately wash with water and soap and rinse thoroughly. Get medical attention if symptoms occur.

Eye Contact: Rinse opened eye for several minutes under running water. Remove contact lenses if present and easy to do so. Then consult a doctor.

Ingestion: Rinse mouth with water. Do not induce vomiting. Get medical attention if symptoms occur.

Most Important Symptoms and Effects, Acute and Delayed: No further relevant information available.

Immediate Medical Attention and Special Treatment: No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: No further relevant information available.

Specific Hazards Arising from the Product: Oxidizing material. May intensify fire. In a fire or if heated, a pressure increase will occur and the container may burst.

Special Protective Equipment and Precautions for Fire-Fighters: Isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Risk of explosion. If large quantities are involved in a major fire, evacuate the area. Use water spray to cool fire exposed surfaces and protect personnel. Move containers from fire area if you can do it without risk. As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Avoid contact with skin, eyes, and clothing. Wear protective equipment. Keep unprotected persons away. Eliminate all sources of ignition and remove combustible materials.

Procedures:

Methods for Containment and Cleaning Up: Contain and collect spillage with con-combustible, absorbent material (e.x. sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Use a water rinse for final clean-up.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Ensure good ventilation/exhaustion at the workplace.

Conditions for Safe Storage: Do not store above the following temperature: 30°C (86°F). Store in accordance with local regulations. Separate from alkalis. Separate from reducing agents and combustible materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components with limit values that require monitoring at the workplace:	
7722-84-1 Hydrogen Peroxide	
Ontario TWA	1 ppm
64-19-7 Acetic Acid	
Ontario STEL	15 ppm
Ontario TWA	10 ppm

Notes The lists that were valid during the creation were used as a basis.

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Eye/Face Protection: Use tightly sealed goggles.

Skin Protection: **Protective Gloves:** Use protective gloves. The glove material has to be impermeable and resistant to the product/ the substance the preparation. Due to missing tests, no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of

circulating air.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid
Odour:	Sharp, pungent, vinegar like odour
Odour Threshold:	Not determined
pH:	< 1
Melting Point and Freezing Point:	Not determined
Initial Boiling Point and Boiling Range:	99 °C (210 °F)
Flash Point:	Not applicable
Evaporation Rate:	Not determined
Flammability (solid, gas):	Not applicable
Upper and Lower Flammability or Explosive Limit:	Not determined
Vapour Pressure:	22 mmHg at 25 °C
Vapour Density (air = 1):	Not determined
Relative Density (water = 1):	1.1
Solubility in Water:	Completely soluble
Solubility in Other Liquids:	Not determined
Partition Coefficient, n-Octanol / Water (Log Kow):	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	No further relevant information available.
Chemical Stability:	Stable under normal conditions. Decomposes on heating. Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Contact with organic substances may cause fire or explosion. Contact with metals, metallic ions, alkalis, reducing agents and organic matter (such as alcohols or terpenes) may produce self-accelerated thermal decomposition.
Conditions to Avoid:	Excessive heat; contamination; exposure to UV-rays; pH variations.
Incompatible Materials:	Combustible materials, galvanized iron, alkalis, strong reducing agents, metals, metallic ions, iron, copper alloys, organic matter (such as alcohols or terpenes) may produce self-accelerated thermal decomposition.
Hazardous Decomposition Products:	Oxygen which supports combustion. Liable to produce overpressure in container.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

7722-84-1 Hydrogen Peroxide (35%)

LD50 (oral) 1200 mg/kg (rat)

64-19-7 Acetic Acid

LD50 (oral) 3310 mg/kg (rat)

79-21-0 Peracetic Acid

LD50 (oral)	1540 mg/kg
Notes:	No further relevant information available.

Skin Corrosion / Irritation:	Strong caustic effect on skin and mucous membranes.
Serious Eye Damage / Irritation:	Strong caustic effect.
STOT (Specific Target Organ Toxicity) - Single Exposure:	No further relevant information available.
Aspiration Hazard:	No further relevant information available.
STOT (Specific Target Organ Toxicity) - Repeated Exposure:	No further relevant information available.
Respiratory and/or Skin Sensitization:	No sensitizing effects known.
Additional toxicological information:	The product shows the following dangers according to internally approved calculation methods for preparations: Corrosive Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Carcinogenicity

IARC (International Agency for Research on Cancer)		
7722-84-1	Hydrogen Peroxide	3
NTP (National Toxicology Program) *None of the*		
ingredients is listed. **OSHA-Ca (Occupational Health &**		
Safety Administration) *None of the ingredients is listed.*		

Notes:	No further relevant information available.
Notes:	No further relevant information available.

Reproductive Toxicity

Development of Offspring:	No further relevant information available.
Sexual Function and Fertility:	No further relevant information available.
Effects on or via Lactation:	No further relevant information available.
Germ Cell Mutagenicity:	No further relevant information available.
Interactive Effects:	No further relevant information available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No further relevant information available.
Persistence and	No further relevant information available.

Degradability:
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available.
Other Adverse Effects: Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Recommendations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
TDG	3149	HYDROGEN PEROXIDE & PEROXYACETIC ACID MIXTURE, STABILIZED	Not applicable	5.1 (8) Oxidizer	II

Special Precautions
Environmental Hazards: No further relevant information available.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: No further relevant information available.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

SECTION 16. OTHER INFORMATION

Date of Latest Revision 11-Dec-22