

## Safety Data Sheet

### 1. Identification

Product Identifier : **Persan 22**

Recommended Uses : Sanitizer

Supplier : Peralab Inc.  
P.O. Box 94  
Station Main  
Fergus, Ontario  
N1M 2W7

Emergency Telephone : (613) 996-6666 (CANUTEC)

### 2. Hazard Identification

Product Classifications :	Organic Peroxides	Type F
	Corrosive to Metals	Category 1
	Acute Toxicity, Oral	Category 4
	Acute Toxicity, Dermal	Category 4
	Acute Toxicity, Inhalation	Category 4
	Skin Corrosion/Irritation	Category 1
	Serious Eye Damage/Eye Irritation	Category 1
	Specific Target Organ Toxicity, Single Exposure	Category 3

Symbols :



Signal Word : **Danger**

Hazard Statements : **Combustible liquid.**  
**Heating may cause a fire.**  
**Causes severe skin burns and eye damage.**  
**May be corrosive to metals.**  
**Harmful if swallowed, inhaled or in contact with skin.**  
**May cause respiratory irritation.**

Precautionary Statements : **Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep cool. Wear protective gloves, protective clothing and eye protection/face protection. Avoid breathing vapours. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.**

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

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

Immediately call a POISON CONTROL CENTRE or doctor.

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Store at temperatures not exceeding 30°C/86°F. Store separately. Keep only in original packaging. Store locked up. Absorb spillage to prevent material damage. Dispose of contents/container according to local, provincial and federal regulations.

### 3. Composition/Information on Ingredients

Hazardous Ingredients :

Chemical Name	CAS Number	Concentration (% w/w)*
Acetic acid	64-19-7	30 - 60
Peracetic acid	79-21-0	10 - 30
Hydrogen peroxide	7722-84-1	3 - 7

The actual concentration is withheld as a trade secret.

### 4. First Aid Measures

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 CONTROL CENTRE or doctor.

IF ON SKIN (or hair): Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Immediately call a POISON CONTROL CENTRE or doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CONTROL CENTRE or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CONTROL CENTRE or doctor.

Symptoms of Acute Exposure

Eye contact :	Burns, redness, watering, pain, loss of vision.
Skin contact :	Severe burns, redness, itching, swelling, damage to underlying tissues.
Ingestion :	Burns, irritation, swelling.
Inhalation :	Irritation of nose, throat and respiratory tract. Coughing, difficulty breathing and/or shortness of breath.

## 5. Fire Fighting Measures

Suitable Extinguishing Media :	As for surrounding fire. Suitable materials include water spray, carbon dioxide, and alcohol-resistant foam.
Unsuitable Extinguishing Media :	Dry chemical extinguishers are not effective.
Specific Hazards and Combustion Products :	Combustible liquid. Can ignite if heated. Contact with soft metals forms flammable hydrogen gas. Vapours may travel considerable distance to a source of ignition and flash back. Decomposition of the product releases oxygen which may intensify fire. During fire, gases hazardous to health may be formed. Combustion products include oxides of carbon, oxides of sulphur, oxides of phosphorus.
Protective Equipment and Precautions for Firefighters :	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Move containers from fire area if possible without risk. Keep containers cool with water spray. Collect contaminated fire extinguishing water and other media separately.

## 6. Accidental Release Measures

Personal Precautions :	Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Eliminate sources of ignition. Do not breathe vapour. Wear appropriate personal protective equipment (See Section 8: Exposure controls / Personal protection). Only trained and properly protected personnel must be involved in clean-up operations.
Containment and Clean Up :	Stop leak if it is safe to do so. Dike spilled material, where possible. Absorb with suitable inert dry material such as absorbent clay and place into closed containers for disposal. Use only non-sparking tools. Do not use textiles, sawdust, or combustible substances. Avoid dispersal of spilled material or contact with soil or entry into waterways, sewers and drains. Dispose of contents/containers according to local, provincial, and federal regulations. Following product recovery, flush area with water.

## 7. Handling and Storage

Handling :	Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required (See Section 8: Exposure controls / Personal protection). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash thoroughly after handling.
Storage :	Keep away from incompatible materials (See Section 10: Stability and Reactivity). Keep away from heat. Keep out of direct sunlight. Keep away from strong bases.

Keep away from hypochlorites and chlorine-releasing compounds. Keep container tightly closed when not in use. Keep only in original packaging. Store in a cool, dry, well-ventilated place. Store at temperatures not exceeding 30°C/86°F. Store separately. Store locked up.

## 8. Exposure Controls/Personal Protection

Control Parameters :

Chemical Name	CAS Number	Value type	Permissible Concentration	Basis
Acetic acid	64-19-7	TLV-TWA	10 ppm	ACGIH
		TLV-STEL	15 ppm	ACGIH
Peracetic acid	79-21-0	TLV	Not established	
Hydrogen peroxide	7722-84-1	TLV-TWA	1 ppm	ACGIH

Engineering Controls : Ensure adequate ventilation. Provide local exhaust ventilation to control fumes.

Personal Protection :

Eye/Face : Safety glasses or chemical splash goggles, and face shield.  
 Skin : Chemical-resistant protective gloves.  
 Respiratory : If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.  
 Other : Long pants and long sleeved shirt. Rubber boots and rubber apron as necessary.

## 9. Physical and Chemical Properties

Appearance : Clear, colourless liquid  
 Odour : Pungent acetic acid (vinegar) odour  
 Odour Threshold : Not available  
 pH : Less than 1  
 Freezing Point : Less than -50°C  
 Boiling Point : Not available  
 Flash Point : Not available  
 Evaporation Rate : Not available  
 Flammability (solids and gases) : Not applicable  
 Lower Flammability Limit : Not available  
 Upper Flammability Limit : Not available  
 Vapour Pressure : Not available  
 Vapour Density : Not available  
 Relative Density : 1.13  
 Solubility : Complete in water  
 Partition Coefficient : Not available  
 Auto-ignition Temperature : Not available  
 Decomposition Temperature : Not available  
 Viscosity : Not available

## 10. Stability and Reactivity

Reactivity :	With incompatible materials. Contact with soft metals forms flammable hydrogen gas. Contact with hypochlorites and chlorine-releasing compounds forms toxic chlorine gas.
Chemical stability :	Chemically stable.
Hazardous reactions :	With incompatible materials. Polymerization not expected to occur.
Conditions to avoid :	Avoid incompatible materials. Avoid heating or elevated temperatures.
Incompatible materials :	Strong bases, metals, reducing agents, hypochlorites and chlorine-releasing compounds.
Hazardous decomposition products :	Oxygen which supports combustion.

## 11. Toxicological Information

### Routes of Exposure

Eye contact :	Causes serious eye damage.
Skin contact :	Causes severe skin burns.
Ingestion :	Causes burns to mouth, throat and stomach.
Inhalation :	May cause irritation to nose, throat and respiratory tract.

### Symptoms of Acute Exposure

Eye contact :	Burns, redness, watering, pain, loss of vision.
Skin contact :	Severe burns, redness, itching, swelling, damage to underlying tissues.
Ingestion :	Burns, irritation, swelling.
Inhalation :	Irritation of nose, throat and respiratory tract. Coughing, difficulty breathing and/or shortness of breath.

### Calculated Acute Toxicity Estimates :

Oral :	404 mg/kg
Dermal :	1,571 mg/kg
Inhalation :	18,531 ppm

## 12. Ecological Information

No data available.

## 13. Disposal Considerations

Dispose of contents/container according to local, provincial and federal regulations.

## 14. Transportation Information

For transportation in a road vehicle or a railway vehicle :

TDG Classification :	UN Number:	3109
	Shipping Name :	ORGANIC PEROXIDE TYPE F LIQUID (Peroxyacetic Acid, Hydrogen Peroxide)
	Class :	5.2
	Subclass :	None
	Packing Group :	II
	Limited Quantity :	125 mL

## 15. Regulatory Information

Not available.

## 16. Other Information

SDS Revision Date : June 25, 2020