Safety Data Sheet

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Section 1. Chemical Product and Company Identification

Product Name	Peradex
Product Use	Sanitizer and Disinfectant
Product Code	2200
Date of Issue	6/7/2017
Supersedes	8/15/2016

Emergency Telephone Numbers
CHEMTREC- 1-800-424-9300
(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER

Health Hazards

Acute Toxicity; Oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1

Physical Hazards

Oxidizing Liquid	Category 2

Precautionary Statements:

P210	Keep away from heat, sparks, open flames and hot surfaces – no smoking
P220	Keep away from combustible materials
P221	Take any precaution to avoid mixing with combustibles
P260	Do not breathe in mist/vapors/spray/fumes
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when handling product
P280	Wear protective gloves, clothing and eye protection
P301+P330+P331+P312	IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a poison center or physician
P363	Wash all contaminated clothing before reuse
P370+P378	In case of fire: Use water for extinction
P405	Store locked up
P501	Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage

Routes of Entry **Dermal, Oral, and Inhalation**

Acute Effects:

Eyes Can cause irritation to eye damage depending on duration of contact

Skin Can cause irritation and redness. Can cause burns depending on duration of contact.

Inhalation Causes severe irritation to the respiratory tract. Prolonged contact may cause coughing, runny nose or pulmonary edema. Toxic effects may be delayed.

Ingestion Can cause burning to the mouth, throat, and abdomen. Vomiting, diarrhea, and perforation of the esophagus and stomach lining may occur.

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	% by Weight
Peroxyacetic Acid	79-21-0	<10
Hydrogen Peroxide	7722-84-1	<30
Acetic Acid	64-19-7	<10

Section 4. First Aid Measures

Eye Contact Immediately flush with water for at least 15 minutes, lifting upper and lower eyelids intermittently. Seek immediate medical attention.

Skin Contact Remove contaminated clothing and thoroughly wash with soap and water. Can cause severe irritation; if persists, contact a physician.

Inhalation Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor. If breathing has stopped, give artificial respiration. See medical doctor immediately.

Ingestion Give several glasses of water. Never give anything to an unconscious person orally. Do not induce vomiting. Seek medical doctor immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
(estimated rating)

Hazardous Combustion Products N/A

Extinguishing Media Water spray, CO_2, and foam

Unsuitable Extinguishing Media N/A

Fire Fighting Procedures Use flooding quantities of water only. Use water spray to cool nearby containers and structures exposed to fire. Fight fire from protected or removed distance. Chemical type extinguishers are not very effective. Use proper personal protective equipment and positive pressure self-contained breathing apparatus.

Hazardous Decomposition Oxygen that supports combustion

Section 6. Accidental Release Measures

Spill Clean Up For large spills, dike well ahead of spill with non-reactive material such as sand. Spill may be neutralized with soda ash broadcasted on surface. Use 0.7 to 1 lb. of soda ash for each gallon of spilled material. The resultant neutralized product will become CO_2, and water. Flush material with water and collect for disposal into plastic container.

Section 7. Handling and Storage

Handling and Storage Store drums in upright position only. Empty drums as thoroughly as possible. Triple-rinse before disposal. Never return product to original container. Store in cool, dry, well-ventilated area. Avoid temperatures above 86°F. Do not store in direct sunlight, or near sources of ignition or heat.

Containers must be vented. Keep out of the reach of children. Have eyewash accessible to use in handling area.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Hydrogen Peroxide (7722-84-1)	1ppm	1ppm		1ppm
Acetic Acid (64-19-7)	10ppm	10ppm		10ppm

Engineering Controls Use adequate local ventilation

Personal Protective Equipment (PPE)

Eyes Chemical splash goggles and face shield
Body Heavy rubber or vinyl gloves; rubber boots and suit to prevent skin contact
Respiratory Use NIOSH approved respirator as necessary if levels reach or exceed exposure limits. Use acid/gas cartridge or canister, with full face piece unless breakthrough occurs; then use self-contained breathing apparatus.

Section 9. Physical and Chemical Properties

Physical State	Liquid	**Explosive Limits**	N/A
Color	Colorless	**Vapor Pressure**	22 mmHg @ 25°C
Odor	Sharp, pungent, vinegar-like odor	**Density**	9.35 lbs./gal
Odor Threshold	N/A	**Solubility**	Complete
pH	2.8	**Partition Coefficient**	N/A
Freezing Point	N/A	**Auto-Ignition Temp.**	N/A
Boiling Point	N/A	**Decomposition Temp.**	86°F
Flash Point	220°F (closed cup)	**Viscosity**	N/A
Evaporation Rate	N/A	**Specific Gravity**	N/A
Flammability	N/A		

Section 10. Stability and Reactivity

Stability and Reactivity	Shelf-stable up to 1 year when stored at room temperatures and not in direct sunlight
Incompatibility	Dirt, alkali (lye), organics, leather, paper, wood, and heavy metals
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Degrades giving off acetic acid and oxygen
Conditions to Avoid	Open flames, elevated temperatures, any source of heat, combustibles such as paper, wood, or leather. Temperatures above 86°F will degrade product, accelerate decomposition and reduce shelf life.

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral, and Inhalation
Symptoms	Irritation to burns depending on prolonged contact
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	Hydrogen Peroxide: IARC Group 3 (not classifiable as a human carcinogen)
Reproductive Toxicity	No information found
Target Organs	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	2,619 mg/kg	ATE determined beyond Category 4
Oral	758 mg/kg	ATE determined Category 4
Inhalation	No data	

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations. Combustible materials should be removed and/or rinsed with water to ensure all residual hydrogen peroxide is removed to the extent possible.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN3149	Hydrogen Peroxide and Peroxyacetic Acid Mixture, stabilized	8, 5.1	PGII	Oxidizer Corrosive

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: Peroxyacetic Acid 79-21-0 <10

The following substances have CERCLA reportable quantity values (in pounds):

Acetic Acid 64-19-7 5,000

State Regulations None

Section 16. Other Information

Last Revision 6/7/2017

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.