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*** MATERIAL SAFETY DATA SHEET ***
Hydrogen Peroxide 3%

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****
MSDS Name: Hydrogen Peroxide 3%
Catalog Numbers: S74882-2, S748821, S748822, NC9950148, H312 4, H312 500,
H312 48, H312-500, H312P4, H312P4, H312P4, H312P4, H312P4, H312P4, H312P4, H312P4,
H324-500, H324-500, NC9034022, NC9472802, NC9413651, NC9726857, NC9935879,
XXH312120GAL, XXH312200LI, XXH312220LI, XXH32455GA
Synonyms:
None

Company Identification: Fisher Scientific
1 Reagent Lane
Fairlawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3987

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
7722-84-1	Hydrogen peroxide	3.0	231-765-0
7732-18-5	Water	97	231-791-2

Hazard Symbols: None Listed.
Risk Phrases: None Listed.

**** SECTION 3 - HAZARDS IDENTIFICATION ****
EMERGENCY OVERVIEW
Appearance: clear liquid.
Caution! May cause skin irritation. May cause respiratory and digestive tract irritation. May cause severe eye irritation and possible injury.
Target Organs: No data found.

Potential Health Effects
Eye:
Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Vapors may cause eye irritation.

Skin:
May cause skin irritation. May cause skin discoloration. May cause reddening of the skin.

Ingestion:
May cause irritation of the digestive tract. May lead to distention of the esophagus and stomach.

Inhalation:
May cause respiratory tract irritation. Irritation may lead to chemical pneumonitis and pulmonary edema.

Chronic:
No information found.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:
Flush eyes with plenty of water for at least 15 minutes. occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:
Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.

Ingestion:
Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupsfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician:
Treat symptomatically and supportively.

Antidote:
None reported.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:
wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full

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Protective gear. Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

Extinguishing Media:
Use extinguishing media most appropriate for the surrounding fire.

Use flooding quantities of water as spray.

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 1

*** SECTION 6 - ACCIDENTAL RELEASE MEASURES ***

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and other waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

*** SECTION 7 - HANDLING AND STORAGE ***

Handling:
Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:
Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

*** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ***

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Hydrogen peroxide	1 ppm	1 ppm TWA; 1.4 mg/m ³ TWA 75	1 ppm TWA; 1.4 mg/m ³ TWA
Water	none listed	none listed	none listed

OSHA Vacated PELs:
Hydrogen peroxide:
1 ppm TWA; 1.4 mg/m³ TWA
Water:
No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State:
Liquid

Color:
clear

Odor:
slight

pH:
Not available.

Vapor Pressure:
Not available.

Vapor Density:
>1.00

Evaporation Rate:
Not available.

Viscosity:
Not available.

Boiling Point:
> 100 deg C

Freezing/Melting Point:
Not available.

Decomposition Temperature:
Not available.

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MSDS Creation Date: 10/16/1998 Revision #6 Date: 3/18/2003

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