

MATERIAL SAFETY DATA SHEET

MSDS

Clear Comfort Clarifier



Date-Issued: 10/21/1998
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Revision No: 4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Clear Comfort Clarifier

GENERAL USE: Water clarifier

MANUFACTURER

Asepsis, Inc., A Chemtura Company
P.O. Box 1788
Suwanee, GA 30024-0973
Customer SERVICE: (800) 959-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800 - 5553
CHEMTREC (US Transportation) : (800) 424 - 9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>Wt.%</u>
Hydrogen peroxide	7722-84-1	27.5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, colorless liquid with a slightly pungent odor.

IMMEDIATE CONCERNS: DANGER: Corrosive. Causes skin and eye burns. Harmful if swallowed. This concentrated product is not for human consumption. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritating to nose and throat. Avoid breathing vapors. If product gets on clothing, remove and wash the clothing immediately. Clothing may spontaneously ignite and burn fiercely if product dries out.

POTENTIAL HEALTH EFFECTS

EYES: DANGER: Corrosive. Causes eye burns. Do not get in eyes.

SKIN: DANGER: Corrosive: Causes skin burns. Do not get on skin.

INGESTION: Harmful if swallowed.

INHALATION: Irritating to nose and throat. Avoid breathing vapors.

ACUTE TOXICITY: Contact of product with skin may cause severe skin irritation (whitening of skin on contact). Contact of product with eye may cause eye irritation with tearing or blurring of vision and possible blindness. Inhalation of product may result in irritation of the upper respiratory passages; nausea, headache or weakness. Ingestion of product may result in irritation to the gastrointestinal internal tract and abdominal pain; or red blood cell destruction.

CHRONIC: There are no known chronic hazards.

ROUTES OF ENTRY: Skin Contact, Inhalation, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES: If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

SKIN: If contact with skin: Rinse off excess chemical and flush skin with cold water for at least 15 minutes. If skin irritation develops, seek immediate medical attention.

INGESTION: If swallowed: Drink promptly large quantities of water. Do not induce vomiting. Avoid alcohol. Never give anything by mouth to

an unconscious person. Call a physician or poison control center immediately.

INHALATION: If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

NOTES TO PHYSICIAN: If swallowed, large amounts of oxygen may be released quickly. The distention of the stomach or esophagus may be injurious. Insertion of a gastric tube may be advisable.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Non-Flammable

EXTINGUISHING MEDIA: Use only water to fight fires in which hydrogen peroxide is involved.

EXPLOSION HAZARDS: Spontaneous combustion can occur if allowed to remain in contact with oxidizable materials. Drying product on clothing or combustible material may cause fire. Mixtures with combustible material may be explosive.

FIRE FIGHTING PROCEDURES: Avoid all bodily contact. Wear self contained breathing apparatus and appropriate protective equipment. Apply vast amounts of water for cooling and dilution.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Dilute with large quantities of water and allow hydrogen peroxide to decompose. Then dispose of according to federal, state, and local authorities.

7. HANDLING AND STORAGE

HANDLING: STRONG OXIDIZING AGENT: Do not mix with other chemicals. Such use may cause a violent reaction leading to fire or explosion. Never return unused product to container. Contamination with organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion, In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water.

STORAGE: Keep this product in original tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Hydrogen peroxide	TWA	1 ppm	1.4	1 ppm	1.4		

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to maintain exposure below TLV.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear goggles or safety glasses with side shields when handling this product.

SKIN: Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Remove and wash contaminated clothing throughly and immediately. Clothing may ignite and burn fiercely if product dries out.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slightly Pungent

APPEARANCE: Clear

COLOR: Colorless

pH: 3

VAPOR PRESSURE: 26 mmHg at (86°F)

VAPOR DENSITY: Not Established

BOILING POINT: 105°C (220°F)

FREEZING POINT: -22°C (-8°F)

SOLUBILITY IN WATER: Completely Miscible

SPECIFIC GRAVITY: 1.12 at (68°F)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperature. Poor ventilation. Contamination.

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Contamination from any source may cause rapid decomposition, oxygen gas release and dangerous pressures.

INCOMPATIBLE MATERIALS: Avoid contact with easily oxidizable material. Ammonia, urea or similar nitrogen containing compounds. Inorganic reducing compounds. Heavy metal ions, alkalis, and combustible materials. Other swimming pool/spa chemicals in their concentrated forms.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: This product is corrosive to eyes.

SKIN EFFECTS: This product is corrosive to skin.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

PRODUCT DISPOSAL: Disposal of unused, uncontaminated product is regulated according to local, state, and federal regulations.

EMPTY CONTAINER: Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Hydrogen Peroxide, Aqueous Solutions

PRIMARY HAZARD CLASS/DIVISION: 5.1 (Oxidizer)

SECONDARY HAZARD CLASS/DIVISION: 8 (Corrosive)

UN/NA NUMBER: 2014

PACKING GROUP: II

OTHER SHIPPING INFORMATION: Limited Quantity or ORM-D Consumer Commodity exemption not available.

AIR (ICAO/IATA)

NOTE: Not recommended for transport by air.

15. REGULATORY INFORMATION

UNITED STATES

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE: Product is hazardous by definition of the Hazardous Communication Standard.

CLEAN WATER ACT: Not Listed.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This product is not a registered pesticide.

SDWA (SAFE DRINKING WATER ACT): Not listed.

FDA (FOOD AND DRUG ADMINISTRATION): Not listed.

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY Revision #: 4 This MSDS replaces the June 21, 2000 MSDS. Any changes in information are as follows: In Section 1 Prepared By [] Chemtrec MSDS 24 Hour Emergency Phone Numbers In Section 14 DOT Primary Hazard Class/Division Other DOT Shipping Information DOT Secondary Hazard Class/Division IATA Note

HMIS RATING

HEALTH:		3
FLAMMABILITY:		0
PHYSICAL HAZARD:		2
PERSONAL PROTECTION:		B

NFPA RATING

HEALTH:	2
FIRE:	0
REACTIVITY:	1

Key

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

NFPA STORAGE CLASSIFICATION: NFPA Oxidizer Class 1

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