

Section 1. Identification

Product Identifier: **Multipurpose Stain Remover**
Product Use: Remove stains
Manufacturer: Thetford Corporation
7101 Jackson Road
Ann Arbor, MI 48103
Emergency Numbers: (734) 769-6000
(800) 424-9300 (CHEMTREC - 24 hours)

Section 2. Hazards Identification

Classification: Eye Damage/Irritation - Category 1 Skin Irritation/Damage 2

Hazard Pictograms:



Signal Word: DANGER

Hazard Statements: Causes serious eye damage. Causes skin irritation.

Precautionary Statements:

Prevention: Wear eye protection and protective gloves. Wash hands thoroughly after handling.

Response: 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 center. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Section 3. Composition/ Information on Ingredients

Mixture of the following ingredients with non hazardous additions.

Ingredient Name	Wt %	CAS Number
Hydrogen Peroxide	5	7722-84-1
Alcohols, C9-11, ethoxylated	1	68439-46-3

Section 4. First Aid Measures

First Aid Measures

Inhalation: Remove from contaminated area if irritation occurs.
Skin Contact: Wash thoroughly with soap and water.
Eye Contact: Irrigate eyes for a minimum of 15 minutes. Get medical attention immediately.
Ingestion: Do not induce vomiting. Drink 2 glasses of water. Contact a physician.

Potential Acute Health Effects

Inhalation: May cause irritation.
Skin Contact: May cause irritation. Brief contact may whiten the skin.
Eye Contact: Causes serious damage.
Ingestion: Nontoxic if ingested.

Potential Chronic Health Effects: None known.

Section 5. Fire-Fighting Measures

Extinguishing Media: Flood with water. Do not use any other substance.
Specific hazards arising from the chemical: On decomposition releases oxygen which may intensify fire. In closed unventilated containers, risk of rupture due to the increased pressure from decomposition.
Hazardous thermal decomposition products: Oxygen

Special protective actions for fire-fighters:

Dilute with water and hold in diked area until H₂O₂ decomposes. Residual allowed to dry on organic materials may cause material to ignite.

Special protective equipment for fire-fighters:

None

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear safety glasses and Nitrile, PVC or neoprene gloves. Use sand as absorbent. Eliminate sources of ignition.

Method and materials for containment and clean up

Dilute small spills with water and mop up. For larger spills dilute with water and absorb with an sand. Place in appropriate waste disposal container. Leave container open until H₂O₂ completely decomposes. Finish cleaning by spreading cold water on the contaminated surface and mop. Dispose of in accordance with federal, state, and local regulations.

Section 7. Handling and Storage

Precautions for safe handling: Keep containers in cool areas out of direct sunlight and away from combustibles. Store in original, vented container only. Avoid contact with eyes and skin. Wash thoroughly after handling.

Conditions for safe storage: Store in well ventilated area below 80°F (27°C). Do not freeze. Store away from acids and combustibles.

Section 8. Exposure Control/Personal Protection

Occupational Exposure Limits

Hydrogen Peroxide

OSHA/PEL:

1 ppm

NIOSH/IDLH:

75 ppm

NIOSH/TWA:

1 ppm

ACGIH/TLV:

1 ppm

Appropriate Engineering Controls

Maintain adequate ventilation.

Personal Protection

Respiratory Protection: Not required for properly ventilated areas

Skin Protection: Nitrile, PVC or neoprene gloves

Eye/Face Protection: Safety glasses or goggles

Hygiene Measures: Wash hands thoroughly after handling especially before eating, drinking and smoking. Wash contaminated clothing before reuse. Have eyewash and safety shower available.

Section 9. Physical and Chemical Properties

Physical State:	Liquid	Upper/Lower Explosive Limits:	Not applicable
Color:	Colorless	Vapor Pressure:	Not available
Odor:	Odorless	Vapor Density:	Not available
Odor Threshold:	Not available	Specific Gravity:	1.026
pH:	3.5 - 4.5	Bulk Density:	Not applicable
Melting Point:	Not applicable	Solubility:	Completely soluble
Freezing Point:	32°F (0°C)	Partition coefficient n-octanol/water:	Not available
Boiling Point:	210°F (99°C)		
Flash Point (RTCC):	>200°F (>93°C)	Auto-ignition Temperature:	Not available
Evaporation Rate:	Not available	Decomposition Temperature:	Not available
Flammability:	Not applicable	Viscosity:	None, like water

Section 10. Stability and Reactivity

Reactivity:	No information available
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous Reactions:	No information available
Conditions to Avoid:	Contamination and excessive heat
Incompatible Materials:	Reducing agents, combustible materials, organic materials, metals, acids and alkalis.
Hazardous Decomposition Products:	Oxygen which supports combustion.

Section 11. Toxicological Information

Information on the likely routes of exposure: Dermal contact. Eye contact.

Potential Acute Health Effects

Inhalation:	Not an inhalation hazard.
Skin Contact:	May cause irritation. Brief contact may whiten the skin.
Eye Contact:	Causes serious eye damage.
Ingestion:	Nontoxic if ingested.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Inhalation:	Not available.
Skin Contact:	May cause itchiness if left on skin.
Eye Contact:	Irritating with burning and tearing.
Ingestion:	Not available.

Potential Chronic Health Effects

Short Term Exposure

Potential immediate effects:	Not available
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Long Term Exposure

Potential delayed effects:	Not available
General:	Not available
Carcinogenicity:	The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans). The American Conference of Governmental Industrial Hygienists (ACGIH) has concluded that hydrogen peroxide is a 'Confirmed Animal Carcinogen with Unknown Relevance to Humans' (A3).
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental Effects:	No known significant effects or critical hazards.
Fertility Effects:	No known significant effects or critical hazards.

Information on Toxicological Effects

Acute Toxicity

Components: Non toxic if ingested.

Hydrogen Peroxide	LD50 Oral	1193 mg/kg (rat)
	LD50 Dermal	>2000 mg/kg (rabbit)
	LC50 Inhalation	>2160 mg/m ³ (mouse) vapors
Alcohols, C9-11, ethoxylated	LD50 Oral	1,000 - 2,000 mg/kg (rat)
	LD50 Dermal	> 4,000 mg/kg (rat)

Respiratory or skin sensitization

Respiratory sensitization	No known significant effects or critical hazards.
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Skin sensitization	No known significant effects or critical hazards.
<u>Carcinogenicity:</u>	IARC Group 3 - not classifiable as to its carcinogenicity to humans. ACGIH A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans.
<u>Mutagenicity:</u>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<u>Reproductive Toxicity:</u>	No data available to indicate product or any components present at greater than 0.1% present reproductive hazards.
<u>Specific target organ toxicity - single exposure:</u>	No known significant effects or critical hazards.
<u>Aspiration hazard</u>	Not an aspiration hazard
<u>Acute toxicity estimates (ATE)</u>	

Route	ATE value
Oral	>10,000 mg/kg

Section 12. Ecological Information

Toxicity Not expected to have significant environmental effects.

Components

Hydrogen Peroxide	LC50/96h Fish	16.4 mg/l (Pimephales promelas)
	LC50/24h Daphnia	7.7 mg/l (magna)
	EC50/72h Algae	1.37 mg/l (Skeletonema costatum)
Alcohols, C9-11, ethoxylated	EC50/48h Daphnia	12 mg/l
	LC50/96h Fish	11 mg/l (fathead minnow)

Persistence and Degradability: Organic ingredients are biodegradable

Bioaccumulative Potential: Material may have some potential to bioaccumulate but will likely degrade in most environments before accumulation can occur.

Mobility in Soil: Will likely be mobile in the environment due to its water solubility but will like degrade over time.

Other Adverse Effects: Decomposes into oxygen and water.

Section 13. Disposal Considerations

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Waste disposal should be in accordance with existing federal, state, and local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport Information

UN Number:	Not Regulated	Hazard Class:	Not applicable
UN Proper Shipping Name:	Not applicable	Packing Group:	Not applicable
Environmental Hazard:	No		

Section 15. Regulatory Information

SARA 311/312:	None
SARA Title III Section 313 EHS:	None
SARA Title III Section 313 Toxic:	None

Section 16. Other Information

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