

Material Safety Data Sheet

24-HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300

WC-392 CLEANER

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1. Product Identification

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). When listed below, the identity of proprietary ingredients may be made available as provided in this standard.

Contains no known carcinogenic materials

NFPA Hazard Ratings:

Health: 2 Flammability: 0 Reactivity: 2 Special: OX

DOT Information:

Proper Shipping Name: Hydrogen peroxide,
aqueous solutions

Hazard Class: Oxidizer

I.D. Number: UN 2984

Hazardous Substance

Reporting Quantity: Not applicable

OSHA Hazardous Ingredients:

Chemical Name: Hydrogen Peroxide Not More Than 35%

CAS Number: 7722-84-1

Synonyms/Common Names: Peroxide

Chemical Formula: H₂O₂

Subject to the reporting requirements
of SARA Title III, Section 313:

No

2. Physical Data

Boiling Point: Above 212°F

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Solubility in Water: Complete

(Continued:)

Wayne
Chemical

The Automation Chemical Company[®]

The Perfect Mix[™]

7114 Homestead Road • Fort Wayne, IN 46814
p (260)432-1120 • f (260)432-1473

All information contained in this material is believed to be accurate and is submitted in good faith to assist our prospective users. The information, however, is without guarantee, since conditions and methods of use of our products are beyond our control. Wayne Chemical Inc. makes no guarantee as to patent infringement from the use of the products specified herein. Further, Wayne Chemical Inc. will not assume any liability arising out of the use of the products specified herein.

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2. Physical Data (Continued:)

Specific Gravity:	1.04
Percent Volatile:	Not applicable
Evaporative Rate:	Not applicable
Appearance:	Clear liquid
Odor:	None

3. Fire and Explosion Hazard Data

Flash Point:	None to boiling
Method Used:	COC
Extinguishing Media:	Water
Fire & Explosion Hazards:	Strong oxidizer. Hydrogen peroxide is not flammable but can initiate spontaneous combustion of paper, wood, cloth and other organic materials. Ignition can be rapid or can be delayed for several hours. Rapid oxygen evolution from decomposing hydrogen peroxide can increase the intensity of a fire.

Fire-Fighting Equipment:	Self-contained breathing apparatus and protective clothing should always be worn when fighting fires involving chemicals.
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4. Reactivity Data

Stability:	Stable
Conditions to Avoid:	Refer to "Incompatibility" below.
Incompatibility: (Specific Materials to Avoid)	Contamination by many substances, including heavy metals and their salts, reducing agents, strong oxidizers, alkalis and particular solids will cause decomposition. The rate of decomposition increases with increasing temperature and can be very vigorous with rapid generation of large volumes of oxygen and steam.

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4. Reactivity Data (Continued:)

Decomposition Products: Oxygen, steam, peroxide,
(Hazardous) vapor and heat
Hazardous Polymerization: None known

5. Environmental and Disposal Information

Action to Take for Spills: Wear protective clothing. For spills of five gallons or less, flush to sewer with copious amounts of water. Dike large spills and pump into marked plastic drums for disposal or reclamation. Flush to sewer with copious amounts of water. Notify authorities if spill can produce adverse off-site effects.

Disposal Methods: Dispose of in accordance with all local, state and Federal regulations.

6. Health Hazard Data

Eye: Can cause severe chemical burns
Skin Contact: Can cause severe chemical burns
Ingestion: Ingestion can cause severe chemical burns as well as distention of the esophagus or stomach due to the sudden evolution of gases.

Inhalation: Inhalation of vapor or mist can cause irritation or severe chemical burns to mucous membranes and respiratory system.

Systemic & Other Effects: None known


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7. First Aid

WARNING! Harmful if swallowed

Eyes: Immediately flush eyes with large amounts of cool running water. If present, remove contact lenses. Continue flushing for at least 15 minutes while holding eyelids apart to ensure flushing of entire eye surface. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

Skin: Immediately flush skin with large amounts of water for at least 15 minutes while removing contaminated clothing and footwear. Wash contaminated clothing before reuse. Discard footwear that cannot be decontaminated. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

Ingestion: If swallowed, immediately drink large amounts of water. Do NOT induce vomiting. **IMPORTANT --** Readminister water if patient is vomiting. Do NOT give anything by mouth to an unconscious or convulsing person. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

Note To Physician: It may be advisable to insert a gastric tube to relieve or prevent increased pressure that could result from the rapid evolution of oxygen upon decomposition.

Inhalation: Remove person to fresh air at once. If breathing has stopped, give mouth-to-mouth resuscitation. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

8. Handling Precautions

Exposure Guideline:

Hydrogen Peroxide:
ACGIH -- TLV (TWA) - 1 ppm
OSHA -- TLV (TWA) - 1 ppm

Ventilation:

Provide adequate ventilation consistent with the exposure guideline when applicable.

Respiratory Protection:

Use NIOSH-approved respirators in areas where exposure guideline limits are exceeded.

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8. Handling Precautions (Continued:)

Skin Protection: Rubber or plastic gloves
Eye Protection: Chemical safety goggles and/or a full-face shield
Other Protective Equipment: Eye wash and emergency safety shower should be in close proximity. Use rubberized coveralls and rubber shoes.

NOTE: Since contact lenses can contribute to the severity of an eye injury, it is generally recognized that contact lenses should not be worn when working with chemicals.

9. Additional Information

Precautions to Be Taken in Handling and Storage: Store away from combustibles.
Other Precautions: Avoid heating hydrogen peroxide. Do not contaminate hydrogen peroxide. Storage containers/vessels for hydrogen peroxide must be vented and made of compatible materials.

10. Definition of Abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
A.S.T.M.: American Society for Testing and Materials
CAS: Chemical Abstract Service
COC: Cleveland Open Cup -- A.S.T.M. D-92
DOT: Department of Transportation
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration

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10. Definition of Abbreviations (Continued:)

SARA:	Superfund Amendments and Reauthorization Act of 1986
TLV:	Threshold Limit Value -- TWA conditions which, it is believed, workers can be repeatedly exposed to day after day without adverse effects. Published by ACGIH.
TWA:	Time Weighted Average -- The total exposure in parts per million (ppm) averaged over an eight-hour work period
UN:	Descriptions considered appropriate for international shipments as well as domestic shipments

Effective Date: 08/09/04

Form: A

The logo for Wayne Chemical, featuring the company name in a bold, sans-serif font with horizontal lines to the left of the text.

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