



MATERIAL SAFETY DATA SHEET

REVISION DATE: 05/31/2013

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5

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PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **ENHANCE O2, Hydrogen Peroxide-Based CIP Additive**

PRODUCT CODE: 119007

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 3/3

Fire: 1/1

Reactivity: 1/1

Special/Protective Equipment: OX/H

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes burns of the mouth, throat and stomach.
SKIN CONTACT: Causes severe skin irritation with tissue destruction.
INHALATION: Irritating to respiratory tract in high concentrations.
EYE CONTACT: Corrosive. Causes severe eye irritation may damage tissue.
CHRONIC EFFECTS: None known.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Hydrogen Peroxide 7722-84-1	20 - 30	1 ppm	1 ppm 1.4 mg/m ³

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Rinse mouth. Get immediate medical attention.
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention. Remove contaminated clothing and laundry before reuse.
INHALATION: If inhaled, move victim to fresh air and seek medical attention.
EYES: Immediately flush eyes with large amounts of water. Get immediate medical attention.
NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

(F): None to boiling (C): None
to boiling

METHOD:

None

FLAMMABLE LIMITS IN AIR

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LOWER (%):

No data

UPPER (%):

No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Increases the combustibility of, and can ignite, many organic materials such as wood, turpentine, etc. Cool exposed containers with water spray. Corrosive material.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:

Pick up with absorbant material.

LARGE SPILLS:

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS:

Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.

ENVIRONMENTAL PRECAUTIONS:

Keep out of drains, sewers, streams, or other bodies of water.

METHODS FOR CLEANING UP:

Not applicable

7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:**

Danger: Oxidizer. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Keep container closed when not in use. Store in a well ventilated area. Store in a cool, dry location away from incompatible materials.

OTHER PRECAUTIONS:

Read and follow label instructions.

SPECIFIC USE(S):

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

PROTECTIVE GLOVES:

Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.

EYE PROTECTION:

Goggles and face shield are recommended to minimize eye contact.

**OTHER PERSONAL PROTECTION
EQUIPMENT:**

Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

VENTILATION:

General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear, colorless liquid. Pungent odor.

BOILING POINT (F):

235°

(C) 114°

VAPOR PRESSURE:

Not determined

VAPOR DENSITY (AIR=1):

Not determined

SOLUBILITY IN WATER:

Complete

SPECIFIC GRAVITY:

1.107 - 1.117

BULK DENSITY:

9.26

VOC Content (%):

0

EVAPORATION RATE:

Not determined

PH:

2.4 - 2.8 (10% aqueous solution)

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10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Carbon.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalies. Reducing agents. Organic matter.
CONDITIONS/HAZARDS TO AVOID: Avoid any source of ignition. Concentrated product is a moderate oxidizing agent.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established
EFFECTS OF CHRONIC EXPOSURE: Not established.
OTHER TOXIC EFFECTS: Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: Not applicable.
PERSISTENCE/DEGRADABILITY: Not applicable
BIOACCUMULATIVE POTENTIAL: Not applicable
OTHER ADVERSE EFFECTS: Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Hydrogen Peroxide 7722-84-1	20 - 30	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Hydrogen Peroxide 7722-84-1	20 - 30	Not Listed	1000 lb RQ = 1000 lb TPQ concentration >52%	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Hydrogen Peroxide 7722-84-1	20 - 30	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
Hydrogen Peroxide 7722-84-1	20 - 30	Listed

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

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PRODUCT COMPOSITION CAS#	%	NJRTK:
Hydrogen Peroxide 7722-84-1	20 - 30	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Hydrogen Peroxide 7722-84-1	20 - 30	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***