
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

ALTROX L**MSDS ID: 11095**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ALTROX L

Product Descriptor: OXIDANT SYSTEM ADDITIVE

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
HYDROGEN PEROXIDE	7722-84-1	1 - 5%	TWA 1.4	MG/M3
TRADE SECRET	PROPRIETARY	1 - 5%	None established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION - Contains cleanin agents that may cause eye irritation. Prolonged contact with undiluted product may cause skin irritation. May be harmful if swallowed. Avoid contact with eyes, skin, or clothing.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: May cause eye irritation. SKIN: May cause skin irritation.
INGESTION: If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. INHALATION: May cause irritation of respiratory tract.

CHRONIC: (Glycol Ethers) Decreased liver function.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis or sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes and skin.

IV. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. Get medical attention.
SKIN: Rinse off product and wash with mild soap and water.
INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.
INHALATION: Remove to fresh air and seek medical attention.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): None FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water, water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool dry area. Keep from freezing. If frozen, thaw and mix to make usable. Do not pressurize container to empty. Keep container closed when not in use.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.
PROTECTIVE GLOVES: Acid resistant.
RESPIRATORY PROTECTION: Not normally required.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Eyewash and safety shower in area if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear colorless to amber liquid.

BOILING POINT (DEG F): >212F	FREEZING POINT: 32F
SPECIFIC GRAVITY/BULK DENSITY: 1.04	
pH: 3.5 - 4.5	pH 1% SOLUTION: 4.57%
VOLATILE BY VOLUME: 93%	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE(mmHg): 17.5 at 20C	VAPOR DENSITY: 17.3

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Soft metals

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of oxygen; oxides of carbon; oxides of phosphorus; oxides of nitrogen

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

Dipropylene Glycol Monomethyl Ether:

Acute Oral LD50 (rat) - >2gm/kg

Acute Dermal LD50 (rabbit) - 5.3 gm/kg

Acute Inhalation LC50 (rat) - >200 mg/l (1 hr.)

Irritation (rabbit) - Irritant to eyes and skin

Alcohol Ethoxylates (CAS# 68439-46-3):

Acute Oral LD50 (rat) 1.4 gm/kg

Acute Dermal LD50 (rabbit) 5 gm/kg

Eye Irritation (rabbit) Severe

Skin Irritation (rabbit) Draize 1.2 (4 hrs.)

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

Discharge diluted product to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Rinse container with water. Recycle or dispose of container according to product labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

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

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: None

VOC CONTENT (EPA Method 24A): % VOC: 1% Lb/Gal VOC: 0.09

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

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XV. REGULATORY INFORMATION (Cont.)

Product contains Glycol Ethers at 2%, which are SARA Reportable.
SARA Section 311/312:

ACUTE:YES CHRONIC:NO FIRE:NO REACTIVITY:NO
SUDDEN RELEASE OF PRESSURE:NO

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 1 FIRE: 0 REACTIVITY:0 SPECIAL:None

STATE RIGHT-TO-KNOW INFORMATION:

HYDROGEN PEROXIDE - CAS #7722-84-1

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.