JohnsonDiversey

MATERIAL SAFETY DATA SHEET

I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 1421

PRODUCT NAME: PEROXIDE 35%

USE: Laundry Oxygen Bleach

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: C E F
CHEMICAL FAMILY: Oxidizer

TRADE NAME / SYNONYMS: not applicable
CHEMICAL NAME: Hydrogen peroxide, 35%

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Hydrogen peroxide	15-40	007722-84-1 (90%)	LD50 2000 mg/kg LC50 2000mg/m3	oral/ mouse

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: impermeable gloves **Eye:** safety goggles and/or face shield **Footwear:** rubber footwear

Respiratory: If mists are generated, use NIOSH approved mask **Other:** rubber apron

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. If conditions exceed TLV (1ppm) NIOSH approved respirator is required.

VENTILATION REQUIREMENTS: general ventilation.

INCOMPATIBILITY (Material to Avoid): Contact with most organic or readily oxidizable materials and combustibles cause fire and explosion. Contact with many metals or their salts causes rapid decomposition with evolution of oxygen and heat.

SPILL PROCEDURES: Remove all sources of ignition. Stop and contain spill. Collect for disposal.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Store away from contaminants and heat sources. UN2014

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, colourless, liquid with a slightly sharp odour

S.G. / BULK DENSITY(g/cc): 1.132
pH: as is 2.0 - 3.0

VAPOUR PRESSURE (mmHg): 23 @30°C
VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not applicable
BOILING POINT: 108°C

FREEZING POINT: -33°C
PERCENT VOLATILE: 100%

SOLUBILITY IN WATER: soluble
EVAPORATION RATE (water=1): above 1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.

SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

INGESTION: Corrosive. The sudden evolution of oxygen may cause injury by acute distention of the esophagus or stomach and may cause internal bleeding.

INHALATION: Breathing mist or vapour may cause respiratory irritation. Toxic. May cause death.

LD50 (calculated): 5130 mg/kg | **LC50 (calculated):** LC50 2000mg/m3/4h

OTHER TOXIC EFFECTS: Severe irritant. May cause corrosive tissue damage.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: None known.

VI - FIRST AID MEASURES

EYES: Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.

SKIN: Flush affected area thoroughly with water. If irritation develops, contact a physician.

INGESTION: Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.

INHALATION: Remove patient to fresh air. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No

FLASH POINT, °C: not applicable | **AUTO IGNITION TEMPERATURE,°C:** N/Ap

EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other [ ]

SPECIAL FIRE FIGHTING PROCEDURES: Use water to extinguish only if large volumes are available to flood area. Wear self-contained breathing apparatus. Can cause ignition of combustible or oxidizable materials on contact. May decompose violently on contact with metals or their salts, dusts or other contaminants.

HAZARDOUS COMBUSTION PRODUCTS: not applicable.

EXPLOSIVE SENSITIVITY TO: Impact [ ] Static Discharge [ ] Heat [x] Other [ ]

VIII - REACTIVITY DATA

STABILITY: Stable [ ] Unstable [x]

CONDITIONS TO AVOID: High temperature. High temperature may facilitate detonation.

INCOMPATIBILITY (Material to Avoid) : Contact with organic or readily oxidizable materials causes fire and explosions. Contact with many metals causes rapid decomposition with evolution of oxygen and heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition causes evolution of oxygen.

REACTIVITY: Can cause ignition of combustible or oxidizable materials on contact. May decompose violently on contact with metals or their salts, dusts or other contaminants.

IX - MSDS PREPARATION

SOURCES USED: RTECS, MSDS, Hydrogen Peroxide 30%

PREPARATION DATE: April 15, 2003

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