



**HYDROGEN PEROXIDE 7%-35%**

**MSDS Safety Information**

**MSDS Date:** June 24, 2009

**MSDS Num:** 00922002

**Product ID:** HYDROGEN PEROXIDE 7% to 35 %

**Responsible Party:** Borden & Remington

**Address:** 63 Water St

**City:** Fall River

**State:** Massachusetts

**Info Phone Number:** 508.675.0096

**Emergency Phone Number:** SAME

**Chemtec IND/Phone:** (800)424-9300

**Ingredients**

**Cas:** 7722-84-1

**RTECS #:** MX0899000

**Name:** HYDROGEN PEROXIDE.

**OTHER REC LIM:** NIOSH: 1 PPM TWA; 1.4 MG/M3 TWA; 75 PPM

**IDLH.** LD50:(ORAL,MOUSE) 2 GM/KG.

**Percent by Wt:** 7 to 35.

**OSHA PEL:** 1.4 MG/M3;1 PPM

**ACGIH TLV:** 1.4 MG/M3;1 PPM

**ACGIH STEL:** NOT ESTABLISHED

**Cas:** 7732-18-5

**RTECS #:** ZC0110000

**Name:** WATER. LD50:(ORAL,RAT) >90 ML/KG.

**Percent by Wt:** 90 to 65.

Health Hazards Data

---

LD50 LC50 Mixture: SEE INGREDIENTS & TOX INFORMATION.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE: EYE: PRODUCES IRRITATION, CHARACTERIZED BY A BURNING SENSATION, REDNESS, TEARING, INFLAMMATION AND POSSIBLE CORNEAL INJURY. VAPORS MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION. IRRITATION MAY LEAD TO CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. CHRONIC: NO INFORMATION FOUND.

TARGET ORGANS: NONE.

EXPLANATION OF CARCINOGENICITY: HYDROGEN PEROXIDE: ACGIH: A3 - ANIMAL CARCINOGEN. IARC: GROUP 3 CARCINOGEN. WATER: NOT LISTED BY ACGIH, IARC, NIOSH, NTP, OR OSHA.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: SEE HEALTH HAZARDS.

FIRST AID: EYES: IMMEDIATE FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING UPPER & LOWER LIDS. GET MEDICAL IMMEDIATE. DO NOT ALLOW VICTIM TO RUB/KEEP EYES CLOSED. SKIN: FLUSH WITH PLENTY OF SOAP & WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING & SHOES. GET MEDICAL AID IF IRRITATION DEVELOPS/PERSISTS. WASH CLOTHING BEFORE REUSE. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS & ALERT, GIVE 2-4 CUPFULS OF MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSONS. GET MEDICAL IMMEDIATE. CALL POISON CONTROL CENTER. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID. NOTES TO MEDICAL: TREAT SYMPTOMATICALLY & SUPPORTIVELY.

---

## Handling and Disposal

---

SPILL RELEASE PROCEDURES: USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS INDICATED IN EXPOSURE CONTROLS, PERSONAL PROTECTION SECTION. AVOID RUNOFF INTO STORM SEWERS & DITCHES WHICH LEAD TO WATERWAYS. CLEAN UP SPILLS IMMEDIATELY, OBSERVING PRECAUTIONS IN PROT EQUIP SECTION. USE WATER SPRAY TO DISPERSE GAS OR VAPOR. ABSORB SPILL USING ABSORBENT, NON-COMBUSTIBLE MATERIAL SUCH AS EARTH, SAND OR VERMICULITE. PROVIDE VENTILATION.

WASTE DISPOSAL METHODS: DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS. RCRA P-SERIES: NONE LISTED. RCRA U-SERIES: NONE LISTED.

HANDLING AND STORAGE PRECAUTIONS: USE WITH ADEQUATE VENTILATION. DO NOT GET ON SKIN OR IN EYES. DO NOT INGEST OR INHALE. KEEP AWAY FROM HEAT AND FLAME. DO NOT STORE IN DIRECT SUNLIGHT. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES.

OTHER PRECAUTIONS: -MATS TO AVOID: CHROMIUM, COPPER, COPRIC SULFIDE, DIMETHYL - BENZYL CARBINOL + SULFURIC ACID, ETHYL ALCOHOL, FERROUS SULFIDE, FORMIC ACID + ORG MATTER, GOLD, HYDRAZINE, HYDROGEN SELENIDE, IRON, K ETONES + NITRIC ACID, LEAD, LEAD DIOXIDE, LEAD MONOXIDE, LEAD SULFIDE, LIME WATER, MAGNESIUM, MANGANESE, (SUPP DATA)

---

## Fire and Explosion Hazard Information

---

Flash Point Text: NONCOMBUSTIBLE

Extinguishing Media: USE WATER ONLY! DO NOT USE CARBON DIOXIDE. DO NOT USE DRY CHEMICAL. COOL CONTAINERS WITH FLOODING QUANTITIES OF WATER UNTIL WELL AFTER FIRE IS OUT.

Fire Fighting Procedures: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. SUBSTANCE IS NON-COMBUSTIBLE.

Unusual Fire/Explosion Hazard: CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT AND/OR FIRE. DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION. NFPA RATING: NOT PUBLISHED.

---

## Control Measures

---

Respiratory Protection: FOLLOW OSHA RESPIRATOR REGULATIONS FOUND IN 29 CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation: USE ADEQ GENERAL OR LOCAL EXHAUST VENT TO KEEP AIRBORNE CONCS BELOW PELS. EXERCISE CARE IN CLEANING ALL EQUIP BEFORE USE W/SUBSTANCE TO PREVENT CONTAMINATION.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES & FULL LENGTH  
FACESHIELD(FP N).Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE  
SHOWER (FP N).

WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. REMOVE  
CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

Supplemental Safety and Health:

PRECAUTION:MANGANESE DIOXIDE, MERCURIC/MERCUROUS OXIDE,  
MOLYBDENUM DISULFIDE, NITRIC ACID, ORG MATTER, 1-PHENYL-2-  
METHYLPROPYL ALCOHOL + SULFURIC ACID, PLATINUM, POTASSIUM/POTASSIUM  
PERMANGANATE, SILVER, SODIUM/SODIUM IODATE, THIODIGLYCOL,  
UNSYMMETRICAL DIMETHYL HYDRAZINE.

---

---

#### Physical/Chemical Properties

---

---

Boiling Point: =100.C, 212.F

Melt/Freeze Pt: =0.C, 32.F

Decomp Text: NOT AVAILABLE

Vapor Pres: 23 MM HG @ 30C

Vapor Density: NOT AVAIL

Spec Gravity: 1.0 (3%)

PH: 5-6

molecular wt:34.0128.

viscosity: 1.25 CP

Evaporation Rate & Reference: >1.0 (BUTYL ACETATE=1)

Solubility in Water: COMPLETELY SOLUBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID; ODORLESS.

---

---

#### Reactivity Data

---

---

Stability Indicator: YES SULFONIC ACID, (OTHER PREC)

Stability Condition To Avoid: STABLE AT ROOM TEMPERATURE IN CLOSED  
CONTAINERS UNDER NORMAL STORAGE & HANDLING CONDITIONS. DECOMPOSES  
SLOWLY TO RELEASE OXYGEN. AVOID INCOMPATIBLE MATERIALS, LIGHT, EXCESS  
HEAT.

Materials To Avoid: ACETIC ACID, ACETIC ANHYDRIDE, ACETONE, ALCOHOLS +  
SULFURIC ACID, AMMONIA & ITS CARBONATES, ANTIMONY TRISULFIDE, ARSENIC  
TRISULFIDE, BRASS, BRONZE, T-BUTYL ALCOHOL, CELLULOSE, CHARCOAL,  
CHLORINE + POTASSIUM HYDROXIDE, CHLOR

Hazardous Decomposition Products: IRRITATING AND TOXIC FUMES AND GASES,  
OXYGEN, HYDROGEN GAS.

Hazardous Polymerization Indicator: NO

---

---

## Toxicological Information

---

Toxicological Information: CAS # 7722-84-1 - LC50:(INHAL,RAT) 2 GM/M3/4H; LD50:(SKIN,RAT) 4060 MG/KG. EPIDEMIOLOGY; TERATOGENICITY; REPRODUCTIVE EFFECTS; NEUROTOXICITY; MUTAGENICITY: NO INFORMATION AVAILABLE. OTHER STUDIES: NONE.

---

## Ecological Information

---

Ecological: ECOTOXICITY: FINGERLING TROUT, >40 PPM/48H IS TOXIC. FATHEAD MINNOW LC50=22-35 GM/L/96H. ENVIRONMENTAL FATE: NO INFORMATION REPORTED.

PHYSICAL/CHEMICAL: NO INFORMATION AVAILABLE. OTHER: NONE. CLEAN AIR ACT: THIS MATERIAL DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS, CLASS 1 OZONE DEPLETORS, OR CLASS 2 OZONE DEPLETORS. CLEAN WATER ACT: NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS HAZARDOUS SUBSTANCES, PRIORITY POLLUTANTS, OR TOXIC POLLUTANTS UNDER THE CWA.

---

## Regulatory Information

---

Sara Title III Information: SECTION 302 (RQ): NONE OF THE CHEMICALS IN THIS MATERIAL HAVE AN RQ. SECTION 302 (TPQ): CAS #7722-84-1: CONCENTRATION >52%; TPQ = 1000 POUNDS; RQ = 1000 LBS. SARA CODES: CAS # 7722-84-1; ACUTE, FLAMMABLE. SECTION 313: NO CHEMICALS ARE REPORTABLE UNDER SECTION 313.

Federal Regulatory Information: TSCA: CAS #S 7722-84-1 & 7732-18-5 ARE LISTED ON TSCA INVENTORY HLTH & SFTY REPORTING LIST. NONE OF CHEMS ARE ON HLTH & SFTY REPORTING LIST. CHEM TEST RULES: NONE OF CHEMS IN THIS PROD ARE UNDER CHEM TEST RULE. SECTION 12B: NONE OF CHEMS ARE LISTED UNDER TSCA SECTION 12B. TSCA SIGNIFICANT NEW USE RULE: NONE OF CHEMS IN THIS MATL HAVE SNUR UNDER TSCA. OSHA: CAS #7722-84-1 IS CONSIDERED HIGHLY HAZ BY OSHA. EUROPEAN/INTERNATL

REGS: EUROPEAN LABELING I/A/W EC DIRECTIVES: HAZ SYMBOLS: XI. RISK PHRASES: R 36/38 - IRRIT TO EYES & SKIN. SFTY PHRASES: S28 - AFTER CONT W/SKIN, State Regulatory Information: HYDROGEN PEROXIDE CAN BE FOUND ON FOLLOWING STATE RIGHT TO KNOW LISTS: CALIFORNIA, NEW JERSEY, FLORIDA, PENNSYLVANIA, MINNESOTA, MASSACHUSETTS. WATER IS NOT PRESENT ON STATE LISTS FROM CA, PA, MN, MA, FL OR NJ. CALIFORNIA NO SIGNIFICANT RISK LEVEL. NONE OF CHEMS IN THIS PROD ARE LISTED. - FED REGULATORY: SPECIFIED BY MFR); S 36.39 - WEAR SUITABLE PROT CLTHG & EYE/FACE PROT. WGK (WATER DANGER/PROT): CAS #7722-84-1:0; CAS #7732-18-5: NO INFO AVAIL. CANADA: CAS #S 7722-84-1 & 7732-18-5 ARE LISTED ON CANADA'S DSL/NDSL LIST. THIS PROD HAS W CLASSIFICATION OF D2B. CAS #S 7722-84-1 & 7732-18-5 ARE NOT LISTED ON CANADAS ING(OTHER INFO)

---

Other Information

---

Other Information: MFR'S INTERNATL EMER # 703-527-3887. ING INFO: EINECS# FOR HYDROGEN PEROXIDE IS 231-765-0 & FOR WATER IS 231-791-2. -- STATE REGULATORY INFO:DISCLOSURE LIST. EXPOS LIMS: CAS # 7722-84-1: OEL-AUSTRALIA, FRANCE: TWA 1 PPM (1.5 MG/M3). OEL-BELGIUM, DENMARK, GERMANY, THE NETHERLANDS, THE PHILIPPINES, TURKEY: TWA 1 PPM (1.4 MG/M3); OEL-FINLAND: TWA 1 PPM (1.4 MG/M3); STEL 3 PPM (4.2 MG/M3); OEL-SWITZERLAND :TWA 1 PPM (1.4 MG/M3); STEL 2 PPM (2.8 MG/M3); OEL-UNITED KINGDOM: TWA 1 PPM (1.5 MG/M3); STEL 2 PPM (3 MG/M3).

---

HAZCOM Label

---

Product ID: HYDROGEN PEROXIDE 10 TO 35%  
Company Name: Borden & Remington  
Street: 106 Ferry St.  
City: Fall River, MA  
Zipcode: 02722  
Health Emergency Phone: 508.675.0096  
Label Required IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: WARNING  
Respiratory Protection IND: YES  
Health Hazard: Slight  
Contact Hazard: Moderate  
Fire Hazard: None  
Reactivity Hazard: Minor  
Hazard And Precautions: ACUTE: EYE: PRODUCES IRRITATION, CHARACTERIZED BY A BURNING SENSATION, REDNESS, TEARING, INFLAMMATION AND POSSIBLE CORNEAL INJURY. VAPORS MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION. IRRITATION MAY LEAD TO CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. CHRONIC: NO INFORMATION FOUND. TARGET O RGANS: NONE.

---



HYDROGEN PEROXIDE 10%-35%

MSDS Safety Information

MSDS Date: June 24, 2005

MSDS Num: 00922002

Product ID: HYDROGEN PEROXIDE 10% to 35 %

Responsible Party Cage Name: Borden & Remington

Address: 106 Ferry St

City: Fall River

State: Massachusetts

Info Phone Number: 508.675.0096

Emergency Phone Number: SAME

Chemtec IND/Phone: (800)424-9300

Ingredients

Cas: 7722-84-1

RTECS #: MX0899000

Name: HYDROGEN PEROXIDE.

OTHER RECLIM: NIOSH: 1 PPM TWA; 1.4 MG/M3 TWA; 75 PPM

IDLH. LD50:(ORAL,MOUSE) 2 GM/KG.

Percent by Wt: 10 to 35.

OSHA PEL: 1.4 MG/M3;1 PPM

ACGIH TLV: 1.4 MG/M3;1 PPM

ACGIH STEL: NOT ESTABLISHED

Cas: 7732-18-5

RTECS #: ZC0110000

Name: WATER. LD50:(ORAL,RAT) >90 ML/KG.

Percent by Wt: 90 to 65.