

Trade Name: **HYDROGEN PEROXIDE SOLUTION 30%, 2186**
MSDS Date: 09/08/1997

Tech Review: 9-15-2005

General Information

Company: MALLINKRODT BAKER INC
Address: 222 RED SCHOOL LANE
City: PHILLIPSBURG
State: NJ
Zip: 08865
Country: US
Info Phone Number: 800-582-2537
Emergency Phone Number: 908-859-2151;800-424-9300(CHEMTREC)

Other company information:

Name: MALLINCKRODT BAKER, INC.
Address: 222 RED SCHOOL LANE
City: PHILLIPSBURG
State: NJ
Zip: 08865
Country: US
Info Phone Number: 800-582-2537
Name: MALLINKRODT BAKER INC
Address: 222 RED SCHOOL LANE
Box: M
City: PHILLIPSBURG
State: NJ
Zip: 08865
Country: US
Info Phone Number: 800-582-2537
Other information:

Ingredients

Cas: 7722-84-1
RTECS #: MX0900000
Name: HYDROGEN PEROXIDE (SARA 302)
% Text: 29-32
OSHA PEL: 1 PPM
ACGIH TLV: 1 PPM; 9495

Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER
% Text: 68-71
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

RTECS #: 9999999ZZ
Name: ING 3: CNDTNS (STAB): DECOMPOSES TO RELS OXYGEN. UNSTABLE
W/HEAT MAY RSLT IN DANGEROUS PRESS. A STRONG OXIDIZER, (ING4)
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

RTECS #: 9999999ZZ
Name: ING 4: REACTS VIOLENTLY UPON CNTCT W/MANY ORG SUBSTANCES
PARTICULARLY TEXTILE & PAPER. AVOID LIGHT & KEEP IN A (ING5)
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

RTECS #: 9999999ZZ
Name: ING 5: CLOSED BUT VENTED CONTAINER TO PREVENT
EVAPORATION (CONCENTRATION) AND CONTAMINATION.
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

RTECS #: 9999999ZZ
Name: ING 6: OTHER PREC:THOROUGHLY W/CLEAN WATER. GLASS,
POLYETHYLENE, STAINLESS STEEL (ING 7)
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

RTECS #: 9999999ZZ

Name: ING 7: & ALUMINUM ARE REC MATS FOR STORAGE CNTNRS.
CNTNRS OF THIS MATL MAY BE HAZ WHEN EMPTY SINCE THEY RETAIN
(ING 8)

OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

RTECS #: 9999999ZZ

Name: ING 8: PRODUCT RESIDUES (VAPORS LIQUID); OBSERVE ALL
WARNINGS AND PRECAUTIONS LISTED FOR THE PRODUCT.

OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Health Hazards Data

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Health Hazards Acute And Chronic: INHAL:VAPS ARE CORR & IRRIT TO RESP
TRACT. INHAL OF MIST MAY BURN MUC MEMB OF NOSE & THROAT. IN SEV
CASES EXPOS MAY RSLT IN PULM EDEMA & DEATH. INGEST: CORR & IRRIT
TO MOUTH, THROAT, & ABDOMEN. LRG DO SES MAY CAUSE SYMPS OF
ABDOM PAIN, VOMIT, & DIARR AS WELL AS BLISTERING/TISS
DESTRUCTION. STOMACH DISTENTION (DUE TO RAPID LIBERATION OF
OXYGEN), & RISK OF STOMACH PERFORATION, CONVL, PULM EDEMA, COM
A, POSS CEREBRAL EDEMA (FLUID ON BRAIN), & DEATH ARE POSS. SKIN:
CORR SYMPS OF REDNESS, PAIN, & SEV BURN CAN OCCUR. EYE: VAPS
AREVERY CORR & IRRIT TO EYES. SYMPS INCL PAIN, REDNESS & BLURRED
VISION. S PLASHES CAN(SIGNS & SYMP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptions Of Overexposure: HLTH HAZ: CAUSE PERMANENT TISSUE
DESTRUCTION. CHRONIC: NO INFORMATION FOUND.

Medical Cond Aggravated By Exposure: PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION
MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

First Aid: INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP.
IF BRTHG IS DFCLT GIVE OXYGEN. GET MED ATTN IMMED. INGEST: DO
NOT INDUCE VOMIT. GIVE LRG QTIES OF H*2O. NEVER GIVE ANYTHING BY
MOUTH TO AN UNC ONS PERS. GET MED ATTN IMMED. SKIN: IMMED FLUSH
W/PLENTY OF H*2O FOR AT LEAST 15 MIN WHILE REMOVING CONTAMD
CLTHG & SHOES. GET MED ATTN IMMED. WASH CLTHG BEFORE REUSE.
THOROUGHLY CLEAN SHOES BEFORE R EUSE. IF ALLOWED TO DRY ON
CLTHG EVAP LEADS TO CONC & INCREASED POSSIBILITY OF IGNIT. EYE:

IMMED FLUSH W/PLENTY OF H*2O FOR AT LEAST 15 MIN LIFTING LOWER & UPPER EYELIDS OCCASIONALLY. GET MED ATTN IM MED. NOTE TO MD: PULM EDEMA MAY BE(SUP)

Spill Release Procedures: CAUTION! CAUSTIC MATL. CAUSES FIRES W/ORG MATL. VENT AREA OF LEAK/SPILL. WEAR APPROP PERS PROT EQUIP AS SPECIFIED IN SECTION 8. CNTN & RECOVER LIQ WHEN POSS. DO NOT RETURN SPILL MATL TO ORGINAL CNTNR. LRGR SPILLS: DILUTE W/LRG AMT OF H*2O & HOLD IN A POND/DYKED AREA UNTIL PEROXIDE DECOMP FOLLOWED BY DISCHARGE INTO A SUITABLE TREATMENT SYS. MAY BE NEUTRALIZE W/SODIUM METABISULFITE/(OTHER INFO)

Neutralizing Agent: SODIUM METABISULFITE OR SODIUM SULFITE AFTER DILUTING TO 5-10% PEROXIDE.

Waste Disposal Methods: WHATEVER CANNOT BE SAVED FOR RECOVERY/RECYCLING SHOULD BE HNDLD AS HAZ WASTE & SENT TO A RCRA APPRVD WASTE FACILITY. PROCESSING USE/CONTAM OF THIS PROD MAY CHANGE WASTE MANAGEMENT OPTIONS. STATE & LOC AL DISPOSAL REGS MAY DIFFER FROM FED DISP REGS. DILUTE W/H*2O & FLUSH TO SEWER IF LOC ORDINANCES ALL OW, OTHERWISE, WHATEVER CANNOT BE (OTHER INFO)

Handling And Storage Precautions: STORE IN A COOL (<35C) WELL-VENTILATED DARK AREA SEPARATED FROM COMBUSTIBLE SUBSTANCES, REDUCING AGENTS, STRONG BASES, ORGANICS.

Other Precautions: DO NOT STORE ON WOODEN SHELVES/FLOORS. SUGGEST ROTATION OF STOCK. CNTNRS MUST BE VENTED, BUT CHECK PERIODICALLY FOR BULGING CNTNRS WHICH CAN BURST FROM PRESS. PROTECT CNTNRS FROM PHYSICAL DMG, CONTAM, HEAT & INCOMPATIBLES. CONTAM FROM ANY SOURCE (DUST, METALS) MAY CAUSE RAPID DECOMP W/GENERATION OF L RG(OTHER INFO)

Fire and Explosion Hazard Information

Flash Point Text: NOT APPLICABLE

Extinguishing Media: WATER SPRAY MAY BE USED TO EXTING SURROUND FIRE & COOL EXPOS CNTNRS. WATER SPRAY WILL ALSO REDUCE FUMES & IRRITANT GASES.

Fire Fighting Procedures: USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: FIRE: NOT COMBUST BUT SUBSTANCE IS A STRONG OXIDIZER & ITS HEAT/RXN W/REDUCING AGENTS/COMBUST MAY CAUSE IGNIT. INCREASES FLAMM OF COMBUST ORG & READILY OXIDIZABLE MATLS. EXPLOSION: CNTCT W/OXIDIZABLE SUBSTANCES MAY CAUSE EXTREMELY VIOLENT COMBUST. DRYING OF CONCENTRATED HYDROGEN PEROXIDE ON CLTHG/OTHER COMBUST(SUPP)

Control Measures

Respiratory Protection: IF THE EXPOSURE LIMIT IS EXCEEDED, WEAR A NIOSH APPROVED SUPPLIED AIR, FULL-FACEPIECE RESPIRATOR, AIRLINED HOOD, OR FULL-FACEPIECE SELF-CONTAINED BREATHING APPARATUS. THIS SUBSTANCE HAS WARNING PROPERTIES.

Ventilation: SYS OF LOC &/GEN EXHST IS REC TO KEEP EMPLOYEE EXPOS BELOW AIRBORNE EXPOS LIMS. FOR MORE SPECIFIC INFO CNTCT NEHC(FPN).

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS AND FULL LENGTH FACESHIELD (FP N).

Other Protective Equipment: ANSI APPRVD EMER EYE WASH & DELUGE SHOWER (FP N). FOR MORE SPECIFIC INFORMATION CONTACT NEHC (FP N).

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: EXPLO HAZ: MATLS MAY CAUSE FIRE/EXPLOSION. SEALED CNTNRS MAY RUPTURE WHEN HEATED.

FIRSTAID: DELAYED FOR 24 TO 72 HRS. KEEP UNDER OBSERVATION GASTRIC LAVAGE MAY BE NECESSARY IF SWALLOWED. ANALYSIS OF BODY FLUID (PARTICULARLY GASTRIC ASPIRATES) USING THE TITANIUM CHLORIDE REACTION IF DONE IMMEDIATELY WILL REVEAL PEROXIDES

Physical Chemical Properties

B. P. Text: 226F,108C

M. P/F. P Text: 32.5F,0.3C

Vapor Pres: 25 @ 30C(86F).

Vapor Density: 1.11

PH: 3.3

Solubility in Water: INFINITELY SOLUBLE

Appearance and Odor: CLEAR COLORLESS LIQUID; SLIGHT ACRID ODOR.

Percent Volatiles by Volume: 100

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: AVOID EXCESS HEAT & CNTCT W/COMBUST/ORG MATLS. LIGHT & INCOMPATIBLES. NORMALLY STABLE IF UNCONTAMD, BUT SLOWLY DECOMPOSES TO RELS OXYGEN. UNSTABLE W/HEAT MAY RSL DANGEROUS PRESS(ING3

Materials To Avoid: HEAT, REDUCING AGENTS, ORG MATLS, DIRT, ALKALIS, RUST, & MANY METALS. SPONTANEOUS COMBUSTION MAY OCCUR ON STANDING IN CONTACT WITH READILY FLAMMABLE MATERIALS.

Hazardous Decomposition Products: DECOMPOSES TO WATER & OXYGEN W/RAPID HEAT RELEASE. USE VENTED CNTNRS. THE SOLUTION CAN DECOMPOSE VIOLENTLY UPON HEATING.

Conditions To Avoid Polymerization: NOT RELEVANT.

Other Information

Other Information: WASTE: SAVED FOR RECOVERY/RECYCLING SHOULD BE MANAGED IN AN APPROP & APPRVD WASTE DISP FACILITY. PROCESSING USE/CONTAM OF THIS PROD MAY CHANGE WASTE MANAGEMENT OPTIONS. STATE & LOCAL DISP REGS MAY DIF FER FROM FED DISP REGS. DISPOSE OF CONTAINER & UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REQUIREMENTS. SPILL:SODIUM SULFITE AFTER DILUTING TO 5-10% PEROXIDE. DO NOT FLUSH UNDILUTED MA TERIAL TO SEWER. THIS OXIDIZING MATERIAL CAN INCREASE THE FLAMMABILITY OF ADJACENT COMBUSTIBLE MATERIALS. EMPTY CONTAINERS SHOULD BE RINSED WITH WATER BEFORE DISCARDING. OTHER PREC: OF OXYGEN GAS & HI GH PRESS. RINSE EMPTY CNTNRS(ING 6)

Transportation Information

Trade Name: HYDROGEN PEROXIDE SOLUTION 30%, 2186

MSDS Prepared Date: 09/08/1997

Review Date: 01/14/1999

Container QTY:

Detail DOT Information

DOT Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS

DOT PSN Modifier: WITH NOT LESS THAN 20 PER CENT BUT NOT MORE THAN 40 PER CENT HYDROGEN PEROXIDE (STABILIZED AS NECESSARY)

Hazard Class: 5.1

UN ID Num: UN2014

DOT Packaging Group: II

Label: OXIDIZER, CORROSIVE

Special Provision: A2, A3, A6, B53, B104, B110, T14, T37

Packaging Exception: NONE

Non Bulk Pack: 202

Bulk Pack: 243

Max Qty Pass: 1 L

Max Qty Cargo: 5 L

Vessel Stow Req: D

Water/Ship/Other Req: 25,66,75,106

Detail IMO Information

IMO Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION,
IMO PSN Modifier: WITH NOT LESS THAN 20% BUT NOT MORE THAN 60%
HYDROGEN PEROXIDE (STABILIZED AS NECESSARY)

IMDG Page Number: 5151

UN Number: 2014

UN Hazard Class: 5.1

IMO Packaging Group: II

Subsidiary Risk Label: CORROSIVE

EMS Number: 5.1-02

MED First Aid Guide NUM: 735

Detail IATA Information

IATA UN ID NUM: 2014

IATA Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTION
IATA PSN Modifier: WITH 20% OR MORE BUT 40% OR LESS HYDROGEN
PEROXIDE (STABILIZED AS NECESSARY)

IATA UN Class: 5.1

Subsidiary Risk Class: 8

IATA Label: OXIDIZER & CORROSIVE

UN Packing Group: II

Packing Note Passenger: 501

Max Quant Pass: 1L

Max Quant Cargo: 5L

Packaging Note Cargo: 506

Detail AFI Information

AFI Proper Shipping Name: HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS
AFI PSN Modifier: WITH NOT LESS THAN 20% BUT NOT MORE THAN 40%
HYDROGEN PEROXIDE (STABILIZED AS NECESSARY)

AFI Hazard Class: 5.1

AFI UN ID NUM: UN2014

AFI Packing Group: II

AFI Label: 8

Special Provisions: P5, A2, A3, A6

Back Pack Reference: A9.7

HAZCOM Label

Trade Name: HYDROGEN PEROXIDE SOLUTION 30%, 2186
Company Name: MALLINKRODT BAKER INC
Street: 222 RED SCHOOL LANE
PO Box: M
City: PHILLIPSBURG
State: NJ
Zipcode: 08865
Country: US
Health Emergency Info Phone Number: 908-859-2151;800-424-9300(CHEMTREC)
Label Required IND: Y
Date Of Label Review: 05/28/1998
Label Date: 05/28/1998
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Severe
Contact Hazard: Severe
Fire Hazard: None
Reactivity Hazard: None

Hazard And Precautions: CORROSIVE. ACUTE: INHAL: VAPS ARE CORR & IRRIT TO RESP TRACT. MIST MAY BURN MUC MEMB OF NOSE & THROAT. IN SEVERE CASES EXPOS MAY RSLT IN PULM EDEMA & DEATH. INGEST: CORR & IRRIT TO MOUTH, THROAT, & AB DOMEN. STOMACH DISTENTION (DUE TO RAPIDLIBERATION OF OXYGEN), & RISK OF STOMACH PERFORATION, CONVULSION, PULM EDEMA, COMA, POSS CEREBRAL EDEMA (FLUID ON BRAIN), & DEATH ARE POSS. SKIN: CORR. SYMPS OF REDNESS, PAIN, & SEV BURN CAN OCCUR. EYE: VAPS ARE VERY CORR & IRRIT TO EYES. SPLASHES CAN CAUSE PERM TISS DESTRUCTION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

===
===

[Return to Index](#)