

MALLINCKRODT BAKER, INC -- ACETIC ACID GLACIAL, V194

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MSDS Safety Information

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FSC: 6810

MSDS Date: 09/08/1997

MSDS Num: CHKTR

LIIN: 00N086671

Product ID: ACETIC ACID GLACIAL, V194

MFN: 01

Responsible Party

Cage: H0851

Name: MALLINCKRODT BAKER, INC

Address: 222 RED SCHOOL LANE

City: PHILLIPSBURG NJ 08865

Info Phone Number: 800-582-2537

Emergency Phone Number: 908-859-2151;800-424-9300(CHEMTREC)

Published: Y

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Contractor Summary

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Cage: H0851

Name: MALLINCKRODT BAKER INC

Address: 222 RED SCHOOL LANE

City: PHILLIPSBURG NJ 08865

Phone: 800-582-2537

Cage: 70829

Name: MALLINCKRODT BAKER, INC.

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City: PHILLIPSBURG NJ 08865

Phone: 800-582-2537

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Ingredients

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Cas: 64-19-7

RTECS #: AF1225000

Name: ACETIC ACID (CERCLA)

% Wt: 100

OSHA PEL: 10 PPM

ACGIH TLV: 10 PPM/15 STEL

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS

Name: EFTS OF OVEREXP: CHRONIC: REPEATED/PROLONGED EXPOS MAY CAUSE DARKENING OF SKIN, EROSION OF EXPOSED FRONT TEETH,

Name: ING 2: & CHRONIC INFLAMMATION OF THE NOSE, THROAT, AND BRONCHIAL

TUBES.

Name: FIRST AID PROC: EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST
15 MINUTES, LIFTING LOWER AND UPPER

Name: ING 4: EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

Name: SPILL PROC: & PLACE IN CHEM WASTE CONTR. USE NON-SPKG TOOLS &
EQUIP. DO NOT USE COMBUST MATLS, SUCH AS SAWDUST.

Name: ING 6: DO NOT FLUSH TO SEWER! US REGS (CERCLA) REQUIRE REPORTING SPILLS
& RELEASES TO SOIL, WATER & AIR IN

Name: ING 7: EXCESS OF REPORTABLE QTYS. THE TOLL FREE NUMBER FOR US COAST GUARD
NATIONAL RESPONSE CENTER IS (800) 424-8802.

Name: WASTE DISP METH: DISPOSE OF CONTAINER AND UNUSED PRODUCT IN ACCORDANCE
WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

Name: OTHER PREC: STORE ABOVE 63F (17C). CONTAINERS MAY BE HAZARDOUS WHEN EMPTY
SINCE THEY RETAIN PRODUCT RESIDUES

Name: ING 10: (VAPORS, LIQUID); OBSERVE ALL WARNINGS AND PRECAUTIONS LISTED FOR
THE PRODUCT.

Name: RESP PROT: EXPOSURE LEVELS ARE NOT KNOWN, USE A FULL-FACEPIECE
POSITIVE-PRESSURE, AIR-SUPPLIED RESPIRATOR.

Name: ING 12: WARNING: AIR PURIFYING RESPIRATORS DO NOT PROTECT WORKERS IN
OXYGEN-DEFICIENCY ATMOSPHERES.

Name: VENT: PREF BECAUSE IT CAN CTL EMISSIONS OF CONTAMINANT AT ITS SOURCE,
PREVENTING DISPERSION OF IT INTO GEN WORK

Name: ING 14: AREA. PLEASE REFER TO ACGIH DOCUMENT, INDUS VENT, A MANUAL OF REC
PRACTICES, MOST RECENT EDITION, FOR DETAILS.
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Health Hazards Data

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LD50 LC50 Mixture: LD50 (ORAL RAT): 3310 MG/KG.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE: INHAL: CONCENTRATED VAPS MAY CAUSE SERIOUS DMG TO
LINING OF NOSE, THROAT, & LUNGS. BRTHG DFCLTYS MAY OCCUR. NEITHER ODOR

NOR DEGREE OF IRRIT ARE ADEQ TO INDICATE VAP CONC. INGEST: CAN CAUSE SEV INJURY LEADING TO DEATH. SYMPS INCL SORE THROAT, VOMIT, & DIARR. INGEST OF AS LITTLE AS 1.0 ML HAS (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT.

Signs And Symptions Of Overexposure: HLTH HAZ: RESULTED IN PERFORATION OF ESOPHAGUS. SKIN: CONCENTRATED SOLUTION MAY CAUSE SERIOUS DMG. EFTS MAY INCL REDNESS, PAIN, BURNS. HIGH VAP CONCS MAY CAUSE SENSIT. EYES: CONCENTRATED SOLUTIONS MAY CAUSE SEV DMG FOLLOWED BY LOSS OF SIGHT. EXPOS TO VAP MAY CAUSE INTENSE WATERING & IRRIT.

Medical Cond Aggravated By Exposure: PERSONS WITH PREEXISTING 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 ARTIFICIAL RESP. IF BRTHG IS DIFFICULT, GIVE OXYGEN. CALL MD. INGEST: DO NOT INDUCE VOMIT! GIVE LARGE QUANTITIES OF WATER/MILK IF AVAILABLE. NEVER GIVE A NYTHING BY MOUTH TO AN UNCON PERSON. GET MED ATTN IMMED. SKIN: IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAM CLTHG & SHOES. WASH CLTHG BEFORE REUSE. CALL MD.

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Handling and Disposal

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Spill Release Procedures: VENT AREA. REMOVE ALL SOURCES OF IGNIT. WEAR APPROP PERS PROT EQUIP. ISOLATE HAZ AREA. KEEP UNNEC & UNPROT PERS FROM ENTERING. USE WATER SPRAY TO DILUTE SPILL TO NON-FLAM MIXT. CONTAIN & RECOVER W/INE RT MATL (VERMICULITE, DRY SAND, EARTH),

Neutralizing Agent: JT BAKER NEUTRASORB(TM) OR TEAM(M) 'LOW NA+' ACID NEUTRALIZERS ARE RECOMMENDED.

Waste Disposal Methods: WHATEVER CANNOT BE SAVED FOR RECOVERY/RECYCLING SHOULD BE HANDLED AS HAZ WASTE & SENT TO RCRA APPRVD WASTE FACILITY. PROCESSING, USE/CONTAM OF THIS PROD MAY CHANGE WASTE MANAGEMENT OPTIONS. STATE & LO C DISP REGS MAY DIFFER FROM FED REGS.

Handling And Storage Precautions: PROTECT AGAINST PHYSICAL DMG. STORE IN COOL, DRY, WELL-VENTD LOCATION, AWAY FROM ANY AREA WHERE FIRE HAZ MAY BE ACUTE. OUTSIDE/DETACHED STOR IS PREF.

Other Precautions: SEPARATE FROM INCOMPATIBLES. CONTRS SHOULD BE BONDED & GROUNDED FOR TRANSFERS TO AVOID STATIC SPARKS. STOR & USE AREAS SHOULD BE NO SMOKING AREAS. USE NON-SPARKING TYPE TOOLS & EQUIP, INCL EXPLO-PROOF VENT. PROTECT FROM FREEZING.

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Fire and Explosion Hazard Information

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Flash Point Method: CC

Flash Point Text: 104F,40C

Lower Limits: 4.0%

Upper Limits: 16.0%

Extinguishing Media: WATER, DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER SPRAY MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Fire Fighting Procedures: WEAR NIOSH APPRVD SCBA & FULL PROT EQUIP (FP N).

WATER MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOS & TO DILUTE SPILLS TO
NON-FLAM MIXTS. WATER-DILUTED (SUP DAT)

Unusual Fire/Explosion Hazard: ABOVE FLASH POINT, VAP-AIR MIXTS ARE EXPLO W/IN
FLAM LIMS NOTED ABOVE. VAPS CAN FLOW ALONG SURFS TO DISTANT IGNIT SOURCE
& FLASH BACK. CONT W/STRONG (SUP DAT)

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Control Measures
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Respiratory Protection: IF EXPOS LIM IS EXCEEDED, A NIOSH APPRVD FULL FACEPIECE
RESP W/ORG VAP CARTRIDGE MAY BE WORN UP TO 50 TIMES EXPOS LIM/MAX USE CONC
SPECIFIED BY APPROP REGULATORY AGENCY/RESP SUPPLIER, WHICHEVER IS LOW EST.
FOR EMER/INSTANCES WHERE

Ventilation: A SYS OF LOC &/OR GEN EXHST IS REC TO KEEP EMPLOYEE EXPOS
BELOW AIRBORNE EXPOS LIMITS. LOC EXHST VENT IS GEN

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPRVD EMER EYEWASH & DELUGE SHOWER (FP N).
WEAR IMPERVIOUS PROT CLOTHING, INCL BOOTS, LAB COAT, APRON/COVERALLS.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: PH: 2.4 (1.0M SOLN). FIRE FIGHT PROC: ACID CAN
REACT W/METALS TO FORM HYDROGEN GAS. EXPLO HAZ: OXIDIZERS MAY CAUSE FIRE.
REACTS W/MOST METALS TO PRDCE HYDROGEN GAS, WHICH CAN FORM EXPLO MIXT W/AIR.
FL AM LIQ & VAP! CNDTNS TO AVOID: FREEZINGWHICH MAY CAUSE CONTR TO BURST.
MATLS TO AVOID: HYDROXIDES, OXIDES, PHOSPHATES.

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Physical/Chemical Properties
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B.P. Text: 244F,118C

M.P/F.P Text: 63.0F,17.2C

Vapor Pres: 11 @ 20C

Vapor Density: 2.1

PH: SUPDAT

Evaporation Rate & Reference: 0.97 (BUTYL ACETATE=1)

Solubility in Water: INFINITELY SOLUBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID, WITH STRONG, VINEGAR-LIKE ODOR

Percent Volatiles by Volume: 100
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HEAT, SUNLIGHT, WATER, FLAME, IGNIT SOURCES,
FREEZING, INCOMPATIBLES. ACETIC ACID CONTRACTS SLIGHTLY UPON (SUP DAT)

Materials To Avoid: OXIDIZERS, MOST METALS, CHROMIC ACID, SODIUM PEROXIDE,
NITRIC ACID, STRONG CAUSTICS, HEAT, FLAME, CARBONATES, (SUP DAT)

Hazardous Decomposition Products: CARBON DIOXIDE AND CARBON MONOXIDE MAY FORM
WHEN HEATED TO DECOMPOSITION. MAY ALSO RELEASE TOXIC AND IRRITATING VAPORS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT.

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: HO851

Trans ID NO: 43047

Product ID: ACETIC ACID GLACIAL, V194

MSDS Prepared Date: 09/08/1997

Review Date: 06/09/1998

MFN: 1

Multiple KIT Number: 0

Review IND: Y

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Detail DOT Information

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DOT PSN Code: XXX

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Detail IMO Information

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IMO PSN Code: XXX

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Detail IATA Information

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IATA PSN Code: XXX

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Detail AFI Information

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AFI PSN Code: XXX

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HAZCOM Label

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Product ID: ACETIC ACID GLACIAL, V194

Cage: HO851

Assigned IND: Y

Company Name: MALLINCKRODT BAKER INC

Street: 222 RED SCHOOL LANE

City: PHILLIPSBURG NJ

Zipcode: 08865

Health Emergency Phone: 908-859-2151;800-424-9300(CHEMTREC)

Label Required IND: Y

Date Of Label Review: 06/09/1998

Status Code: C

Label Date: 06/09/1998

Origination

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Severe

Contact Hazard: Moderate

Fire Hazard: Moderate

Reactivity Hazard: None

Hazard And Precautions: COMBUSTIBLE. ACUTE: INHAL: CONCENTRATED VAPORS MAY CAUSE SERIOUS DAMAGE TO LINING OF NOSE, THROAT, & LUNGS. BREATHING DIFFICULTIES MAY OCCUR. NEITHER ODOR NOT DEGREE OF IRRIT ARE ADEQUATE TO INDICATE VAPOR CONCENTRATION. INGEST: CAN CAUSE SEVERE INJURY LEADING TO DEATH. SYMPS INCLUDE SORE THROAT, VOMIT, & DIARR. INGEST OF AS LITTLE AS 1.0 ML HAS RESULTED IN PERFORATION OF ESOPHAGUS. SKIN: MAY CAUS E SERIOUS DAMAGE, REDNESS, PAIN, BURNS. MAY CAUSE SENSITIZATION. EYES: SEVERE DAMAGE, LOSS OF SIGHT, WATERING & IRRIT. CHRONIC: DARKENING OF SKIN, EROSION OF EXPOSED FRONT TEETH, INFLAMMATION OF NOSE, THROAT & BRONCHIAL TUBES. SKIN SENSITIZATION.

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