

MALLINKRODT-BAKER -- 9080 ISOPROPYL ALCHOL (90-100%) -- 6810-00-822-7637

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Product Identification
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Product ID:9080 ISOPROPYL ALCHOL (90-100%)

MSDS Date:03/05/1997

FSC:6810

NIIN:00-822-7637

MSDS Number: CHKXQ

=== Responsible Party ===

Company Name:MALLINKRODT-BAKER

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:908-859-2151/800-582-2537

Eme

rgency Phone Num:908-859-2151/800-424-9300(CHEMTREC)

CAGE:EO303

=== Contractor Identification ===

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

Company Name:MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY)

Address:222 RED SCHOOL LANE

Box:NONE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:800-582-2537 EXT 6501/908-859-2151

CAGE:EO303

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Composition/Information on Ingredi

ents =====

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 90-100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9596

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 1-10%
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL RAT LD50=5045MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:VAP IRRIT RESP TRACT.HI CONCEN
EXPO NARCOTIC EFFECT.INGEST:DROWS,UNCONSC,DEATH.GI
PAIN,CRAMPS,NAU,VOMIT,DIARR.LETHAL DOSE FOR HUMAN ADULT=ABOUT
250ML(8OZ).SKIN:IRRIT W/RED,PAIN.MAY BE ABSORBED THRU SKIN
W/POSSIBLE SYSTEMIC EFFECTS.EYE:VAP IRRIT.SPLASHES CAUSE SEVERE
IRRIT,POSSIBLE CORNEAL BURN,DMG.CHRONIC:SKIN EFFECT
Explanation of Carcinogenicity:PER MSDS:ISOPROPYL ALCOHOL IARC CATEGORY
3.
Effects of Overexposure:IRRIT RESP TRACT,NARCOTIC
EFFECT.DROWSINESS,UNCONSC,DEATH.GI PAIN,CRAMPS,NAU,VOMIT,DIARR.SKIN
IRRIT,REDNESS,PAIN,SYSTEMIC EFFECTS,EYE IRRIT,CORNEAL BURN,DMG.
Medical Cond Aggravated by Exposure:PERSONS W/PRE-EXISTING SKIN
DISORDERS OR IMPAIRED LIVER,KIDNEY,OR PULM FUNCTION MAY BE MORE
SUSCEPTIBLE TO EFFECTS OF THIS AGENT.

===== First Aid Measures =====

First Aid:INHAL:MOVE TO FRESH AIR.NOT BREATH GIVE ART RESP;BREATH DIFF
GIVE OX

Y.CALL PHYSICIAN.INGEST:GIVE LG AMTS OF H2O TO DRINK.NEVER
GIVE ANYTHING BY MOUTH IF UNCONSC.GET MED ATTN.SKIN:IMMED FLUSH
W/PLENTY OF WATER FOR @LEAST 15MINS.CALL PHYSICIAN IF IRRIT
DVLPS.EYE:IMMED FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS LIFTING
LOWER/UPPER EYELIDS OCCASIONALLY.GET MED ATTN IMMED.

===== Fire Fighting Measures =====

Flash Point:53.6F,12.0C

Autoignition Temp:Autoignition Temp Text:399C

Lower Limits:2.0

Upper Limits:12.7

Extin

quishing Media:WATER SPRAY,DRY CHEM,ALCOHOL FOAM,CO2.

Fire Fighting Procedures:KEEP FIRE EXPO CNTNR COOL/DIL SPILLS TO
NONFLAM MIX/PROT PERSON ATTEMPT STOP LEAK/DISPERSE VAP
W/H2OSPRAY.WEAR FULL PROT CLOTH/NISOH APPROV SCBA W/FULL (SUPPLE)

Unusual Fire/Explosion Hazard:>FLASHPT VAP-AIR MIX EXPLO W/IN FLAMM
LIMITS.CONTACT W/STRONG OXID MAY CAUSE FIRE/EXPLO.VAP CAN FLOW
ALONG SURF TO DISTANT IGN SOURC,FLASHBK.SENS TO STATIC DISC

===== Accidental Release Measures ===

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Spill Release Procedures:VENTI AREA.REMOVE ALL IGN SOURCES.WEAR APPROP
PPE.ISOLATE HAZ AREA.KEEP UNNECESSARY/UNPROT PEOPLE FROM
ENTER.CONTAIN/RECOVER LIQ.USE NONSPARK TOOL/EQPMT.COLLECT IN
CNTNR/ABSORB W/INERT MATL.DONT FLUSH TO SEWER.H2O SPRAY TO DISPER
VAP/PROT PEOPLE(SUP)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:PROT AGAINST PHYS DMG.STORE IN COOL
DRY WELL VENTI LOCATION AWAY FRM AREA WHERE FIRE HAZ

ACUTE.OUTSIDE/DETACHE STORAGE PREFER.SEPARATE FRM INCOMPATIBK
Other Precautions:STORAGE COLOR CODE:RED(FLAMM).BOND/GROUND CNTNR FOR
TRANSFER-AVOID STATIC SPARK.STORAGE/USE AREA NO SMOKING AREA.USE
NONSPARK TYP TOOL/EQPMT NCLUDE EXPLO PROOF VENTI.CNTRN HAZ WHEN
EMPTY-RETAIN RESIDU E-OBSERVE ALL WARN/PRECAUT FOR PRODUCT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:EXPO LIMIT EX

CEEDED FULL FACEPIECE RESP W/ORG

VAP CARTRIDGE MAY BE WRN UP TO 50X EXPO LMIT/MAX USE CONCEN SPEC BY
APPROP REG AGENCY/RESP SUPPLI WHICHEVER LOWEST.EMERG/EXPO LEVELS
UNK USE FULL FCPIECE +PRESS AIR SUPPL RESP.WARNING:(SUPPLEME)

Ventilation:SYST OF LOC &/OR GEN EXHAU RECOMMENDED-KEEPS EXPO BEL

AEL.LOC EXHAU VENTI PREFER-CNTRL CONTAM EMISSIONS @SOURCE/(SUPPLE)

Protective Gloves:NEOPRENE & NITRILE RUBBER

Eye Protection:CHEM SAF GOGG,FULL FCSHIELD

Other Protective Equipment:IMPERV C

LOTH INCLUDE BOOTS,LAB

COAT,APRON,COVERALLS.NEOPRENE/NITRILE RUBB RECOMMENDED

MATLS.EYEWASH FOUNT/QUICKDRENCH FA

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIREFIGHT:FCPIECE OPERATED IN PRESS DEMAND/OTHER +PRESS MODE.

SPILLS:FLUSH SPILL AWAY FRM EXPO.JTBAKER SOLUSORB SOLVT ADSORBENT

RECOMMENEDED. VENTI:PREVENT DISPERS INTO WORKAREA.REFER:ACGIH DOC.

RESP PROT:AIR PURIFY RESP DONT PROTECT WORKER IN OXY-DEF ATM.

INCOMPT:HOCL,ISOCY

ANATES,NITROFORM,AL,PHOSGENE,OLEUM,HCLO2.

===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-128F,-89C

Decomp Temp:Decomp Text:NP

Vapor Pres:44

Vapor Density:2.1

Spec Gravity:0.79

pH:NO INF

Viscosity:NP

Evaporation Rate & Reference:2.83, BUTYL ACETATE=1

Solubility in Water:MISCIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID, RUBBING ALCOHOL ODOR

Percent Volatiles by Volume:100

Corrosion Rate:NP

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

HEAT,FLAME,STRONG OXID,ACETALDEHYDE,ACIDS,CL2,ETHYLENE OXIDE,H2-PD

COMB,H2O2-H2SO4 COMB,POTASSIUM TERT-BUTOXIDE(SUPPLE)

Stability Condition to Avoid:HEAT AND SUNLIGHT CAN CONTRIBUTE TO

INSTABILITY.HEAT,FLAMES,IGNITION SOURCES & INCOMPATIBLES.

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE MAY
FORM WHEN HEATED TO DECOMPOSITION.

===== Disposal Cons

iderations =====

Waste Disposal Methods:WHATEVER CANT BE SAVE FOR RECOV/RECYC SHOULD BE
HNDLG AS HAZ WASTE,SENT TO RCRA APPROV INCINER/DISPO IN RCRA APPROV
WASTE FAC.PROCESS/USE/CONTAM PROD MAY CHANGE WASTE MGMT
OPTS.STATE/LOC DISPO REGS DI FFER FRM FED.DISPO CNTNR/UNUSED IAW
FED/STAT/LOC

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