

MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY) -- P/N 3031-500 ISOPROPYL ALCOHOL (90-100%) -- 6505-00-655-8366

===== Product Identification =====

Product ID:P/N 3031-500 ISOPROPYL ALCOHOL (90-100%)

MSDS Date:09/08/1997

FSC:6505

NIIN:00-655-8366

MSDS Number: CDYWG

=== Responsible Party ===

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

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

S

tate:NJ

ZIP:08865-2219

Country:US

Info Phone Num:800-582-2537

Emergency Phone Num: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:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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 Ingredients
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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: 0-10%
Other REC Limits:NO
NE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:ORAL (LD50, RAT) 5,045 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION MAY CAUSE RESPIRATORY
IRRITATION, CNS EFFECTS. INGESTION MAY CAUSE GI TRACT IRRITATION,
CNS EFFECTS. CONTACT MAY CAUSE SKIN & EYE IRRITATION, CORNEAL
BURNS/EYE DAMAGE. MAY BE ABSORBED THROU GH SKIN WIT
H SYSTEMIC
EFFECTS. CHRONIC:CHRONIC EXPOSURE MAY CAUSE SKIN EFFECTS.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:CNS EFFECTS: DROWSINESS, HEADACHE, DIZZINESS,
STAGGERING, UNCONSCIOUSNESS, POSSIBLE DEATH. INHALED-RESPIRATORY
IRRITATION. INGESTED-DROWSINESS, POSSIBLE DEATH, UNCONSCIOUSNESS,
GI TRACT PAIN, CRAMPS, NAUSEA, VOMITING, DIARRHEA.
Medical Cond Aggravated

by Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS, IMPAIRED LIVER, KIDNEY OR PULMONARY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid: IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-IF CONSCIOUS, GIVE LOTS OF WATER.

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

Flash Point Method: CC

Flash Point: =12.2C, 54.F

Autoignition Temp: =398.9C, 750.F

Lower Limits: 2.0

Upper Limits: 12.7

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

WATER SPRAY MAY BE USED TO DILUTE SPILLS, PROTECT PERSONNEL.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS (2-12.7%). CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION.

===== Accidental Release Measures =====

Spill Release Procedures: VENTILATE AREA. ELIMINATE ALL SOURCES OF IGNITION. WEAR APPROPRIATE PPE. ISOLATE & DENY ENTRY. CONTAIN & RECOVER LIQUID. USE NON-SPARKING TOOLS. COLLECT LIQUID IN APPROPRIATE CONTAINER OR ABSORB IN INERT MATERIAL. DO NOT FLUSH TO SEWER!

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM SOURCES OF IGNITION & INCOMPATIBLES. STORAGE & USE AREAS SHOULD BE NO SMOKING AREAS.

Other Precautions: USE NONSPARKING TOOLS & EQUIPMENT. CONTAINERS SHOULD BE BONDED & GROUNDED FOR TRANSFERS TO AVOID STATIC SPARKS. PROTECT FROM PHYSICAL

DAMAGE.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NITRILE, NEOPRENE.

Eye Protect

ion:CHEMICAL SPLASH GOGGLES, FACE SHIELD.

Other Protective Equipment:MAINTAIN EYE WASH & QUICK DRENCH FACILITIES IN WORK AREA.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:=-88.9C, -128.F

Vapor Pres:44 @ 77F

Vapor Density:2.1

Spec Gravity:0.79

Evaporatio

n Rate & Reference:2.83 (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

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

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACIDS, PHOSGENE, OLEUM, ACETALDEHYDE, POTASSIUM TERT-BUTOXIDE, ISOCYANATES, NITROFORM, ALUMINUM

Stability Condition to Avoid:HEAT, FLAMES, IGNITION SOURCES, INCOMPATIBLES.

Hazard

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECOVERY OR
RECYCLING SHOULD BE HANDLED AS HAZARDOUS WASTE & SENT TO A RCRA
APPROVED INCINERATOR OR DISPOSED IN A RCRA APPROVED WASTE FACILITY.
PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE WASTE

MANAGEMENT.

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