

J.T. BAKER -- 2-PROPANOL, 9088, 5373, 9059, 9334, 9079, 9082, 9089, 9083 -- 6810-00-586-6647

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Product Identification
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Product ID:2-PROPANOL, 9088, 5373, 9059, 9334, 9079, 9082, 9089, 9083

MSDS Date:03/09/1992

FSC:6810

NIIN:00-586-6647

Status Code:A

MSDS Number: CKVZN

=== Responsible Party ===

Company Name:J.T. BAKER

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

C

Country:US

Info Phone Num:201-859-2151

Emergency Phone Num:201-859-2151 / 800-424-8802

Resp. Party Other MSDS Num.:P6401-05

Chemtec Ind/Phone:(800)424-9300

CAGE:HO462

=== Contractor Identification ===

Company Name:J.T. BAKER

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Phone:201-859-2151, 800 -424-8802

CAGE:HO462

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

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== Composition/Information on Ingredients =====

Ingred Name:2-PROPANOL

CAS:67-63-0

RTECS #:NT8050000

Minumum % Wt:99.

Maxumum % Wt:100.

OSHA PEL:980 MG/M3 (400 PPM)

OSHA STEL:1225 MG/M3 (500 PPM)

ACGIH TLV:980 MG/M3 (400 PPM)

ACGIH STEL:1225 MG/M3 (500 PPM)

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

LD50 LC50 Mixture:LD50: 5840 MG/KG (ORAL, RAT)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Hea

lth Hazards Acute and Chronic:US PRECAUTIONARY LABELING: CAUSES

IRRITATION. MAY CAUSE EYE DAMAGE. HARMFUL IF SWALLOWED OR INHALED.

MAY BE HARMFUL IF ABSORBED THROUGH SKIN. EFFECTS OF OVEREXPOSURE:

INHALATION: IRRITATION OF NOSE AND THROAT, HEADACHE, NAUSEA, DIZZINESS, DROWSINESS, IRRITATION OF UPPER RESPIRATORY TRACT, NARCOSIS, CENTRAL NERVOUS SYSTEM DEPRESSION, DIFFICULT BREATHING, PULMONARY EDEMA, UNCONSCIOUSNESS. SKIN CONTACT: IRRITATION, PROLONGED CONTACT MAY

CAUSE DERMATITIS. EYE CONTACT: IRRITATION,

MAY CAUSE CORNEAL DAMAGE. SKIN ABSORPTION: RAPID ABSORPTION.

INGESTION: HEADACHE, NAUSEA, VOMITING, DIZZINESS, (SIGNS AND SYMPTOMS OF OVEREXPOSURE)

Explanation of Carcinogenicity:NONE IDENTIFIED.

Effects of Overexposure:HEALTH HAZARDS ACUTE AND CHRONIC (CONT):

GASTROINTESTINAL IRRITATION, NARCOSIS, CENTRAL NERVOUS SYSTEM DEPRESSION, UNCONSCIOUSNESS. CHRONIC EFFECTS: NONE IDENTIFIED.

REPRODUCTIVE EFFECTS: NONE IDENTIFIED.

PRIMARY ROUTES OF ENTRY:

INHALATION, INGESTION, SKIN CONTACT, EYE CONTACT, ABSORPTION.

MEDICAL SURVEILLANCE: PROVIDE PREPLACEMENT AND PERIODIC MEDICAL EXAMINATIONS WITH EMPHASIS ON SKIN, SINUSES, AND RESPIRATORY SYSTEM.

Medical Cond Aggravated by Exposure:SKIN DISORDERS, EYE DISORDERS, RESPIRATORY SYSTEM DISEASE.

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

First Aid:INGESTION: CALL A PHYSICIAN. IF SWALLOWED, IF CONSCIOUS, GIVE LARGE AMOUNTS OF

WATER. INDUCE VOMITING. INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE RE-USE. EYE CONTACT: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

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Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:=-11.C, 51.8F

11C (53F)

Autoignition Temp:=-398.C, 748.4F

Autoignition Temp Text:(750F)

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:USE ALCOHOL FOAM, DRY CHEMICAL OR CARBON DIOXIDE (WATER MAY BE INEFFECTIVE).

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS (NIOSH APPROVED -) WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. MOVE

CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:VAPORS MAY FLOW ALONG SURFACES TO DISTANT IGNITION SOURCES & FLASH BACK. CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. CONT W/ STRONG OXIDIZERS MAY CAUSE FIRE. TOXIC GASES PRODUCED: CARBON MONOXIDE , CARBON DIOXIDE. EXPLOS DATA - SENS TO MECHANICAL IMPACT: NONE IDENTIFIED. SENS TO STATIC DISCHARGE: NONE IDENTIFIED.

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

Spill Release Procedures:WEAR SUITABLE PROTECTIVE CLOTHING. SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING OR FLAMES IN AREA. STOP LEAK SOURCE IF YOU CAN DO SO WITHOUT RISK. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LATER DISPOSAL. FLUSH AREA WITH WATER. DO NOT ALLOW SPILL TO ENTER DRAINS OR SEWER SYSTEM. (NEUTRALIZING AGENT)

Neutralizi

9.6F
B.P. Text:82C (179F)
Melt/Freeze Pt:=-89.C, -128.2F
M.P/F.P Text:MELT POINT
Vapor Pres:33 MMHG @ 20C
Vapor Density:2.1, AIR=1
Spec Gravity:0.79 (H2O = 1)
Evaporation Rate & Reference:2.5 (BUAC=1)
Solubility in Water:COMPLETE (100%)
Appearance and Odor:CLEAR COLORLESS LIQUID, ALCOHOL ODOR
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, ALUMINUM, STRONG ACIDS, NITRIC ACID, SULFURIC ACID, HALOGENS, ACTIVE HALOGEN COMPOUNDS, AMINES AND AMMONIA, ALDEHYDES.
Stability Condition to Avoid:HEAT, FLAME, OTHER SOURCES OF IGNITION.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

===== Toxicological Information =====

Toxicological Information:THRESHOLD LIMIT VALUE (TLV/TWA): 980 MG/M3 (400 PPM). SHORT-TERM EXPOSURE LIMIT (STEL): 1225 MG/M3 (500 PPM). PERMISSIBLE EXPOSURE LIMIT (PEL): 980 MG/M3 (400 PPM).
TOXICITY
OF COMPONENTS: ORAL RAT LD50 FOR 2-PROPANOL: 5840 MG/KG. INTRAPERITONEAL MOUSE LD50 FOR 2-PROPANOL: 933 MG/KG. ORAL DOG LD50 FOR 2-PROPANOL: 6150 MG/KG. SKIN RABBIT LD50 FOR 2-PROPANOL: 13 G/KG. CARCINOGENICITY: NTP:NO, IA RC: NO, Z LIST: NO, OSHA REG: NO.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZARDOUS WA
STE NUMBER: D001 (IGNITABLE WASTE).

===== MSDS Transport Information =====

Transport Information:DOMESTIC (DOT): PROPER SHIPPING NAME: ISOPROPANOL, HAZARD CLASS: FLAMMABLE LIQUID, UN/NA: UN1219, LABELS: FLAMMABLE LIQUID, REGULATORY REFERENCES: 49 CFR 172.102; 173.125. INTERNATIONAL (IMO): ISOPRO PANOL, HAZARD CLASS: 3.2, IMO PAGE: 3244, UN: UN1219, MARINE POLLUTANTS: NO, PACKAGING GROUP: II, LABELS: FLAMMABLE LIQUID, REGULATORY REFERENCES: 49

CFR 172.102;

PART 176; IMO. AIR (ICAO): PROPER SHIPPING NAME: ISOPROPANOL,
HAZARD CLASS: 3.2, UN: UN1219, PACKAGING GROUP: II, LABELS:
FLAMMABLE LIQUID, REGULATORY REFERENCES: 49 CFR 172.101; 173.6;
PART 175; ICAO / IATA = WE BELIEVE THE TRANSPORTATION DATA AND
(OTHER INFORMATION)

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===== Regulatory Information =====

Federal Regulatory Information: US PRECAUTIONARY LABELING: DANGER!
EXTREMELY FLAMMABLE. CAUSES IRRITATION. MAY CAUSE EYE
DAMAGE.

HARMFUL IF SWALLOWED OR INHALED. MAY BE HARMFUL IF ABSORBED THROUGH
SKIN. KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID CONTACT WITH EYES,
SKIN, CLOTHING. AVOID BREATHING VAPOR. KEEP IN TIGHTLY CLOSED
CONTAINER. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER
HANDLING. IN CASE OF FIRE, USE ALCOHOL FOAM, DRY CHEMICAL, CARBON
DIOXIDE - WATER MAY BE INEFFECTIVE. IN CASE OF SPILL, SOAK UP WITH
SAND OR EARTH. FLUSH SPILL AREA WITH WATER. INTERNATIONAL
LABEL

WARNING: HIGHLY FLAMMABLE. KEEP CONTAINER TIGHTLY CLOSED. KEEP
AWAY FROM (STATE REGS)

State Regulatory Information: N/P. FEDERAL REGS (CONT): SOURCES OF
IGNITION - NO SMOKING. SAF-T-DATA STORAGE COLOR CODE: RED
(FLAMMABLE). BAKER SAF-T-DATA SYSTEM (RATING): HEALTH = 1
(SLIGHT), FLAMMABILITY = 4 (SEVERE), REACTIVITY = 2 (MODERATE),
CONTACT = 2 (MODERATE). NFPA 704M RATING: 1 - 3 - 0.

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===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):

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