

J T BAKER INC -- 9401 ALCOHOL,ANHYDROUS -- 6810-00-127-4532

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

Product ID:9401 ALCOHOL,ANHYDROUS

MSDS Date:01/07/1992

FSC:6810

NIIN:00-127-4532

MSDS Number: BKYGX

=== Responsible Party ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:800-582-2537

Emergency Phone Num:201-859-2151

CAGE:DO803

=== Contractor Identification ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:1-800-582-2537

CAGE:DO803

Company Name:LABCO SCIENTIFIC DIV OKLAHOMA CITY OK

CAGE:1A109

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

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

Ingred Name:ETHANOL (ETHYL ALCOHOL), TECSOL, ALC

OHOL  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 90-95%  
Other REC Limits:1900 MG/CUM  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM

Ingred Name:ISOPROPANOL (ISOPROPYL ALCOHOL), 2-PROPANOL, DIMETHYL  
CARBINOL  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 1-5%  
Other REC Limits:400 PPM  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM

Ingred Name:METHANOL (METHYL ALCOHOL), COLUMBIAN SPIRITS  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: 1-5%  
Other REC Limits:200 PPM  
OSHA PEL:S,200PPM/250STEL  
ACGIH TLV:S,200PPM/250STE  
L; 93  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 7060 MG/KG (ETHANOL)  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION:  
HARMFUL/HEADACHE/NAUSEA/VOMITING/DIZZINESS/DROWSINESS/UPPER  
RESPIRATORY TRACT & MUCOUS MEMBRANE IRRITATION/UNCONSCIOUSNESS.  
SKIN/EYE: IRRITATION. INGESTION: HE  
ADACHE/NAUSEA/VOMITING/DIZZIN  
ESS/GASTROINTESTINAL IRRITATION/RESPIRATORY FAILURE/CNS  
DEPRESSION/CONVULSIONS/UNCONSCIOUSNESS/BLINDNESS/FATAL.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INGESTION: DAMAGE TO LIVER/KIDNEY/CENTRAL  
NERVOUS SYSTEM/BRAIN/SPLEEN/BLOOD/HEART/STOMACH/GASTROINTESTINAL  
TRACT. EYES: DAMAGE. INHALATION: DAMAGE TO LUNGS & RESPIRATORY  
SYSTEM, BIRTH DEFECTS. SKIN: D AMAGE & DERMATITIS.  
Medical Cond Aggravated by Exposure:LIVER & SKIN DISORDER

S, CHRONIC  
IRRITATION OF MUCOUS MEMBRANES

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

First Aid:INGESTION: IF CONSCIOUS, GIVE PLENTY OF WATER. INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SKIN: FLUSH W/WATER. EYE: FLUSH W/P LENTY OF WATER FOR AT LEAST 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES. MEDICAL SURVEILLANCE: PROVIDE PERIODIC MEDICAL EXAMINATIONS W/EMPHASIS ON LUNGS, SKIN, RESPIRATORY SYSTEM & LIVER.

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

Flash Point Method:CC  
Flash Point:55F (12C)  
Lower Limits:3.3%  
Upper Limits:19%  
Extinguishing Media:ALCOHOL FOAM, DRY CHEMICAL, CO2. WATER MAY BE INEFFECTIVE.  
Fire Fighting Procedures:WEAR PROTECTIVE EQUIPMENT & SCBA W/FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. MOVE CONTAINERS FROM FIRE AREA SAFELY. USE WATER TO KEEP CONTAINERS COOL.  
Unusual Fire/Explosion Hazard:VAPORS FLOW TO DISTANT IGNITION SOURCE/FLASHBACK. CLOSED CONTAINERS EXPLODE IN HEAT. STRONG OXIDIZERS MAY CAUSE FIRE. FLAMMABLE. AUTOIGNITION TEMP: 685F (362C).

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. SHUT OFF IGNITION SOURCES. STOP LEAK SAFELY. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP W/SAND OR NON-COMBUSTIBLE ABSORBENT MATERIAL & PLACE INTO CONTAINER FOR LATER DISPOSAL . FLUSH AREA W/WATER

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

Handling and Storage Precautions:BOND/GROUND CONTAINERS WHEN TRANSFERRING LIQUID. KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL/DRY/WELL-VENTILATED AREA. DON'T SMOKE.  
Other Precautions:STORE IN FLAMMABLE LIQUID STORAGE AREA/CABINET. CAN'T BE MADE NON-POISONOUS. NOT FOR INTERNAL USE. KEEP AWAY FROM HEAT/SPARKS/FLAME. AVOID CONTACT W/EYES/SKIN/CLOTHING. AVOID BREATHING VAPOR.

=====  
Exposure Contr

ols/Personal Protection =====

Respiratory Protection:IF AIRBORNE CONCENTRATION IS HIGH, WEAR A CHEMICAL CARTRIDGE RESPIRATOR W/ORGANIC VAPOR CARTRIDGE. IS CONCENTRATION EXCEEDS CAPACITY OF CARTRIDGE RESPIRATOR, WEAR A SELF-CONTAINED BREATHING APPARATUS. NONE REQUIRED W/ADEQUATE VENTILATION.

Ventilation:GENERAL/LOCAL EXHAUST: TO MEET TLV REQUIREMENTS. VENT HOOD.

Protective Gloves:NEOPRENE

Eye Protection:SAFETY GOGGLES, FACE SHIELD

Other Protective Equipment:UNIFORM, PRO

TECTIVE SUIT, LAB COAT, & APRON

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THIS CHEMICAL MAY INTERACT W/OTHER SUBSTANCES. USER IS RESPONSIBLE FOR DETERMINING THE PRECAUTIONS & DANGERS OF THIS CHEMICAL FOR HIS OR HER PARTICULAR APPLICATION.

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

Boiling Pt:B.P. Text:172F (78C)

Melt/Freeze Pt:M.P/F.P Text:-173F

Vapor Pres:44

Vapor Density:1.6

Spec Gravity:0.79

Evaporation Rate &

; Reference:(BU AC = 1): 2.7

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID W/PLEASANT ODOR.

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDANTS/ALUMINUM/ALKALI METALS/ACETYL CHLORIDE/STRONG ACIDS/ACID CHLORIDE/ACID ANHYDRIDE/STRONG REDUCING AGENTS

Stability Condition to Avoid:HEAT, FLAME, SUNLIGHT, ULTRAVIOLENT LIGHT, FLARES, SPARKS, & OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CO, CO2

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/APPLICABLE FEDERAL, STATE, & LOCAL ENVIRONMENTAL REGULATIONS. D001 (IGNITABLE WASTE). FLAMMABLE LIQUID. UN 1170.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever

, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.