

METHANOL, 9093

MSDS Number

BLTVP

National Stock Number

6810-00N023020

Product Name

METHANOL, 9093

Manufacturer

J T BAKER COMPANY

Product Identification

Product ID:METHANOL, 9093

MSDS Date:05/01/1989

FSC:6810

NIIN:00N023020

MSDS Number: BLTVP

Responsible Party

J.T. BAKER COMPANY

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

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

Info Phone: 908-859-2151

Preparer: QUALITY ASSURANCE DEPT

Cage: 70829

Contractor

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

Ingredients

METHANOL; (METHYL ALCOHOL)

CAS: 67-56-1

RTECS: PC1400000

Fraction By Weight: 90-100%

OSHA PELS,200PPM/250STEL

ACGIH TLV: S,200PPM/250STEL; 93

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:LD50:(ORAL,RAT)5628 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:INHAL:HARMFUL & MAY BE FATAL,

HEADACHE, NAUSEA, VOMITING, DIZZINESS, NARCOSIS, RESPIRATORY FAILURE, LOW BLOOD PRESSURE, CENTRAL NERVOUS SYSTEM DEPRESSION. SKIN:IRRITATION, PROLONGED CONTACT MAY CAUSE DERMATITIS. EYE:IRRITATION, MAY CAUSE TEMPORARY CORNEAL DAMAGE. INGEST:HARMFUL & MAY BE FATAL, (SEE EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:BLINDNESS, HEADACHE, NAUSEA, VOMITING, DIZZINESS, GASTROINTESTINAL IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION, HEARING LOSS. CHRONIC:KIDNEY & LIVER DAMAGE. TARGET ORGANS:EYES, SKIN, CENTRAL NERVOUS SYSTEM, GI TRACT, RESPIRATORY SYSTEM, LUNGS.

Medical Cond Aggravated by Exposure:EYE DISORDERS, SKIN DISORDERS, LIVER OR KIDNEY DISORDERS.

First Aid

First Aid:INGEST:CALL MD. IF CONSCIOUS, GIVE LG AMTS OF WATER. INDUCE VOMITING. INHAL:REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG DFCLT, GIVE O*2. SKIN:IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAMD CLTHG & SHOES. WASH CLTHG BEFORE RE-USE. EYE:IMMED FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN.

Fire Fighting

Flash Point Method:CC

Flash Point:54.0F,12.2C

Lower Limits:6%

Upper Limits:36%

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

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP . MOVE CNTNRS FROM FIRE AREA IF CAN BE DONE W/O RISK. USE WATER TO KEEP FIRE-EXPOSED CNTNRS COOL.

Unusual Fire/Explosion Hazard:VAPS MAY FLOW ALONG SURFS TO DISTANT IGNIT SOURCES & FLASH BACK. CLOSED CNTNRS EXPOSED TO HEAT MAY EXPLODE. CNTCT W/STRONG OXIDIZERS MAY CAUSE FIRE. (SUPP DATA)

Accidental Release

Spill Release Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT CLTHG. SHUT OFF IGNIT SOURCES; NO FLARES, SMOKING/FLAMES IN AREA. STOP LEAK IF CAN DO SO W/O RISK. USE WATER SPRAY TO REDUCE VAPS. TAKE UP W/SAND/OTHER NON-COMB UST ABSORB MATL & PLACE INTO CNTNR FOR (SUPP DATA)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN COOL, DRY, WELL-VENTILATED, FLAMMABLE LIQUID STORAGE AREA.

Other Precautions:BOND & GROUND CNTNRS WHEN TRANSFERRING LIQ. FLAMM. CANNOT BE MADE NON-POISONOUS. KEEP AWAY FROM HEAT, SPARKS, FLAME. DO NOT GET IN EYES, ON SKIN/CLTHG. AVOID BRTHG VAP. USE W/ADEQ VENT.

Exposure Controls

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS ABOVE 200 PPM, A NIOSH/MSHA APPROVED SCBA IS ADVISED.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:RUBBER GLOVES RECOMMENDED.

Eye Protection:CHEM WORK GOG & FULL LENGTH FSHLD.

Other Protective Equipment:UNIFORM AND PROTECTIVE SUIT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

EXPLO HAZ:BURNS W/CLEAR, ALMOST INVISIBLE FLAME. SPILL PROC:LATER DISPOSAL. FLUSH AREA W/WATER. J.T. BAKER SOLUSORB(R) SOLVENT ADSORBENT IS RECOMMENDED FOR SPILLS OF THIS PRODUCT.

Chemical Properties

HCC:F5
Boiling Pt:B.P. Text:149F,65C
Melt/Freeze Pt:M.P/F.P Text:-144F,-98C
Vapor Pres:96 @ 20C
Vapor Density:1.11
Spec Gravity:0.79
Evaporation Rate & Reference:4.6 (BUTYL ACETATE = 1)
Solubility in Water:COMPLETE (100%)
Appearance and Odor:CLEAR, COLORLESS LIQUID, PUNGENT ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG ACIDS, ZINC, ALUMINUM, MAGNESIUM.
Stability Condition to Avoid:HEAT, FLAME, OTHER SOURCES OF IGNITION.
Hazardous Decomposition Products:CO, CO*2, FORMALDEHYDE.

Disposal

Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE, AND
LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZ WASTE #U154.

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