MATERIAL SAFETY DATA SHEET 2,365

02/15/86

SECTION I - NAME AND PRODUCT

MFG NAME AND ADDRESS
EM SCIENCES /MCB
P.O. BOX 5018
CHERRYHILL
NJ 080340395

CHEMICAL NAME:
ETHER REAGENT 27.0 LB (20 LT)
TRADE NAME SYN :
ETHYL ETHER, DIETHYL ETHER, ETHYL OXIDE
CHEMICAL FAMILY:
ETHER

CHEMICAL NUMBER: MEX0185-5
ITEM NUMBER : 727420
VENDOR CATLG NBR :
ENTRY DATE : 08-15-85
CHANGE DATE :
EMERGENCY PHONE: 513 6310445

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS:
REFER TO SECTION 4-9

SECTION III - PHYSICAL DATA S/10 = SEE SECTION X

BOIL. SPECIFIC VAPOR MELT. VAPOR EVAP. SOLUBLE PERCENT
POINT GRAVITY PRESS. POINT DENSITY RATE IN WATER VOLATILE
34.6C N/A 0.7135 5/10 2.56 37.5 7.5 100
BUTYL ACETATE

APPEARANCE AND ODOR:
COLORLESS LIQUID; SWEET, PUNGENT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -49 DEG F. (CC)
FLAMMABLE LEL: 1.85
FLAMMABLE UEL: 36

EXTINGUISHING MEDIA:
ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES:
AVOID CONTACT OF LIQUID OR VAPOR WITH HOT SURFACES OR OPEN FLAME.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
DANGEROUS FIRE AND EXPLOSION HAZARD. MAY FORM EXPLOSIVE PEROXIDES.
DO NOT EVAPORATE TO DRYNESS.
SECTION V - HEALTH HAZARD DATA

THRESHOLD-LIMIT-VALUE:
400 PPM
TXDS: ORL-RAT LD50: 1700MG/KG
ORL-HMN LDLO: 420MG/KG

EFFECTS OF OVEREXPOSURE:
INTOXICATION, DROWNSNESS, UNCONSCIOUSNESS. SEVERE EXPOSURE COULD RESULT IN RESPIRATORY FAILURE.

EMERGENCY AND FIRST AID PROCEDURES:
INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING.
EYES: WASH WITH WATER FOR 15 MINUTES-CALL PHYSICIAN.
SKIN: FLUSH WITH WATER.

SECTION VI - REACTIVITY DATA

INDICATORS: STABILITY - STABLE POLYMORIZATION - MAY NOT OCCUR
CONDITIONS TO AVOID:
N/A

INCOMPATIBILITY (MATERIAL TO AVOID):
OXIDIZERS

HAZARDOUS DECOMPOSITION OR BY PRODUCTS:
N/A

POLYMERIZATION CONDITIONS TO AVOID:
N/A

SECTION VII - SPILL OR LEAK PROCEDURES OR DISPOSAL

MATERIAL RELEASE OR SPILL PROCEDURES:
REMOVE IGNITION SOURCES. ALLOW TO EVAPORATE IN OPEN AREA IF POSSIBLE.

WASTE DISPOSAL METHOD:
TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS.
SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
SELF-CONTAINED BREATHING APPARATUS ADVISED FOR HEAVY CONCENTRATION OF VAPOR.
VENTILATION - LOCAL:
EXPLOSION-PROOF EXHAUST SYSTEMS RECOMMENDED
VENTILATION - MECHANICAL:
   N/A
VENTILATION - SPECIAL:
   N/A
OTHER
   N/A
PROTECTIVE GLOVES:
RUBBER
EYE PROTECTION:
GOGGLES

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:
STORE AWAY FROM ALL HEAT SOURCES. LIMIT STORAGE TIME. CHECK FOR PEROXIDES.
DOT-(ETHYL ETHER) FL (FP-49F).

SECTION X - OTHER INFORMATION

PHYSICAL DATA CONTINUED, SEE SECTION III;
MELTING POINT: -116.2 DEG. C.

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NOTE: NA OR N/A DENOTES NOT-AVAILABLE OR NON-APPLICABLE