



## 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  
VNDR 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. POINT	SPECIFIC GRAVITY	VAPOR PRESS.	MELT. POINT	VAPOR DENSITY	EVAP. RATE	SOLUBLE IN WATER	PERCENT VOLATILE
34.6C	N/A	0.7135	S/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.



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## 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, DROWSINESS, 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 POLYMERIZATION - 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.



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SEQ. NO.

**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