

QUICK START PRODUCTS LTD -- ETHER -- 1730-01-182-0364

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

Product ID:ETHER
MSDS Date:05/01/1991
FSC:1730
NIIN:01-182-0364
MSDS Number: BQFFF
=== Responsible Party ===
Company Name:QUICK START PRODUCTS LTD
Address:HWY 251 S
City:ROCHELLE
State:IL
ZIP:61068
Country:US
Info Phone Num:815-562-5414
Emergency Phone Num:815-562-5414
CAGE:78280
=== Contractor Identification
===
Company Name:QUICK START PRODUCTS LTD
Address:HIGHWAY 251 SOUTH
Box:City:ROCHELLE
State:IL
ZIP:61068
Country:US
Phone:815-562-5414
CAGE:78280

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

Ingred Name:ETHYL ETHER (SARA III)
CAS:60-29-7
RTECS #:KI5775000
Fraction by Wt: 91%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400PPM/500STEL; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:ETHYLENE (SARA III)
CAS:74-85-1
RTECS #:KU5340000
Fr

action by Wt: 6.5%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9293

Ingred Name:ETHYL ALCOHOL (ETHANOL)
CAS:64-17-5
RTECS #:KQ6300000
Fraction by Wt: 2.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9293

Ingred Name:2,6-DI-TERT-BUTYL-P-CRESOL
CAS:128-37-0
RTECS #:GO7875000
Fraction by Wt: .001%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3; 9293

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

LD50 LC50 Mixt
ure:TLV=400PPM;STEL=500PPM ETHER,RTEC 92-4
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:MAY CAUSE
CONJUNCTIVITIS.INHAL:RESPIRATORY
IRRITATION,HEADACHE,DIZZINESS,ANOREXIA,NAUSEA,SLEEPINESS.
Explanation of Carcinogenicity:HMIS FOUND A MONOGRAPH ON DIETHYL ETHER
IN RTECS 92-4,SHOWING DNA MUTATION IN E.COLI.
Effects of Overexposure:MFG STATES THAT CASUAL EXPOSURE SHOULD HAVE NO
ADVERS
E
EFFECTS.INHAL:HEADACHE,DIZZINESS,ANOREXIA,NAUSEA,VOMITING,SLEEPINES
S.
Medical Cond Aggravated by Exposure:NONE REPORTED BY MANUFACTURER.

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

First Aid:INGEST:IF CONSCIOUS,GIVE MILK OR WATER.DON'T GIVE ANYTHING
ACIDIC(EG.JUICE).CALL PHYSICIAN.INDUCE VOMITING ONLY! IF ADVISED BY
TREATING PHYSICIAN.INHAL:REMOVE TO FRESH AIR.RESTORE BREATHING BY
MOUTH-T O-MOUTH RESPIRATION(PREFERRABLY).CALL PHYSICIAN.EYES:FLUSH

WITH WATER FOR 15 MINUTES.DO NOT RUB EYES!SKIN:REMOVE CONTAMINATED CLOTHING.FLUSH WITH WATER.CALL PHYSICIAN.

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

Flash Point Method:COC

Flash Point:-49F,-45C

Lower Limits:1.9

Upper Limits:48

Extinguishing Media:DRY CHEMICAL,FOAM,CARBON DIOXIDE.

Fire Fighting Procedures:WATER IS INEFFECTIVE IN FIGHTING A FIRE,BUT MAY BE USED TO COOL FIRE EXPOSED CONTAINERS.USE A SCBA IN POSITIVE PRESSURE MODE.FLUSH AWAY SPILLS NOT IGNITED.

Unusual Fire/Explosion Hazard:VAPORS TRAVEL AND ARE A FLASH-BACK HAZARD.RUNOFF TO SEWERS ARE FIRE/EXPLOSION HAZARD.FIRE PRODUCES SMOKE AND HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:REMOVE SOURCES OF IGNITION.VENTILATE.FLUSH LARGE SPILLS WITH WATER;AVOID RUNOFF TO SEWERS.ADSORB SMALL SPILLS WITH AN INERT MATERIAL;PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL,OR ALLOW TO EVAPORATE (USING GOOD VENTILATION).

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

Handling and Storage Precautions:STORE BELOW 175F.KEEP AWAY FROM SOURCES OF COMBUSTION AND COMBUSTIBLE MATERIALS.PREVENT DAMAGE TO CONTAINERS.KEEP AWAY FROM RESIDENTIAL STRUCTURES.

Other Precautions:NO SMOKING IN STORAGE AREAS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE A NIOSH/MSHA APPROVED RESPIRATOR WHEN HIGH CONCENTRATIONS ARE PRESENT.

Ventilation:NATURAL VENTILATION IS PREFERRED.ENGINEERING CONTROLS MUST BE EXPLOSION PROOF IF USED.

Protective Gloves:FOR PROLONGED USE-NITRILE

Eye Protection:GOGGLES MEETING ANSI 287.1

Other Protective Equipment:IF SKIN CONTACT IS ANTICIPATED USE NITRILE COATED CLOTHING.

Work Hygienic Practices:USE PRUDENT HYGENIC AND SANITARY PRACTICES.

Supplemental Safety and Health
NONE.

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

HCC:V3

Boiling Pt:B.P. Text:94.0F,34.4C

Vapor Pres:7.3ATM

Vapor Density:2.6

Spec Gravity:.695

Evaporation Rate & Reference:6.9

Solubility in Water:MODERATE

Appearance and Odor:AEROSOL;COLORLESS;ETHER-LIKE ODOR(SWEET-PUNGENT)

Percent Volatiles by Volume:>98

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS,CHEMICALS THAT UNDERGO SPONTANEOUS COMBUSTION.

Stability Condition to Avoid:TEMPERATURES ABOVE 175F,FLAMES,SOURCES OF
IGNITION.EXPLOSIVE PEROXIDES FORM

AS PRODUCT AGES/CONCENTRATES.

Hazardous Decomposition Products:CARBON MONOXIDE,VARIOUS ALDEHYDES.

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

Waste Disposal Methods:1-ALLOW SMALL AMOUNTS TO EVAPORATE.2-USE
CONTENTS COMPLETELY,THEN DISPOSE OF IN NORMAL TRASH;DO NOT PUNCTURE
OR INCINERATE CANS.FOLLOW FEDERAL,STATE AND LOCAL REGULATIONS.

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