

ETHYLENE GLYCOL MONOBUTYL ETHER

MSDS Number

BVNST

National Stock Number

6810-00N048690

Product Name

ETHYLENE GLYCOL MONOBUTYL ETHER

Manufacturer

ASHLAND CHEMICAL INC

Product Identification

Product ID:ETHYLENE GLYCOL MONOBUTYL ETHER

MSDS Date:03/26/1991

FSC:6810

NIIN:00N048690

MSDS Number: BVNST

Responsible Party

ASHLAND CHEMICAL INC

COLUMBUS , OH 43216

US

Emergency Phone: 800-274-5263

Info Phone: 614-889-3333

Cage: 34897

Contractor

ASHLAND CHEMICAL CO

2219

COLUMBUS, OH 43216-2219

US

614-790-3333/800-274-5263

Cage: 34897

Ingredients

LUNG DMG, BLOOD ABNORMS, SPLEEN/TESTIS DMG. ANIMAL

RTECS: 9999999ZZ

ON CNS, HEMATOPOIETIC TISS, BLOOD, KIDNEYS & LIVER,

RTECS: 9999999ZZ

(EXTRACTED FROM DHHS (NIOSH) PUBLICATION NO.90-118) .

RTECS: 9999999ZZ

NEVER GIVE ANYTHING BY MOUTH TO UNCON PERS.

RTECS: 9999999ZZ

AIR. IF BRTHG IS DFCLT, ADMIN OXYGEN. IF BRTHG HAS
RTECS: 9999999ZZ

UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT
RTECS: 9999999ZZ

LIQ TO SALVAGE TANK. REMAINING LIQ MAY BE TAKEN UP ON
RTECS: 9999999ZZ

SHOVELED INTO CNTNRS. PVNT RUN-OFF TO SEWERS,
RTECS: 9999999ZZ

PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS
RTECS: 9999999ZZ

CNDTNS (SEE YOUR SFTY EQUIP SUPPLIER).
RTECS: 9999999ZZ

ETHANOL, 2-BUTOXY-; (ETHYLENE GLYCOL MONOBUTYL ETHER)
CAS: 111-76-2
RTECS: KJ8575000
Fraction By Weight: 100%
OSHA PEL50 PPM, S
ACGIH TLV: 25 PPM, S

ITS COMPONENTS) HAS APPARENTLY BEEN FOUND TO CAUSE
RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:EYES:CAUSES IRRIT, POSS CORNEAL
INJURY. SKIN:CAN CAUSE SLIGHT IRRIT. CAN BE ABSORBED IN TOX AMTS,
ESP FROM PRLNG/RPTD EXPOS. INHAL:EXCESSIVE INHAL OF VAPS CAN CAUSE
NASAL & RESP IRRIT, CNS EFTS INCL DIZZ, WEAK, FATG, NAUS, HDCH,
POSSUNCON & EVEN DEATH. INGEST:SLIGHTLY TOX. MAY PRDCE SIGNS OF
(EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:INTOX CHARACT BY INCOORD, DIZZ, DROW,
HDCH, NAUS, MENTAL CONFUSN, POSS SLURRED SPEECH & STUPOR, DEPENDING
ON QTY OF MATL INGESTED. CHRONIC:ING CAUSES HARM TO FETUS IN LAB
ANIMAL STUDIES. HARM TO FETUS OCCURS ONLY AT EXPOS LEVELS THAT
HARM PREGNANT ANIMAL. RELEVANCE OF THESE FINDINGS TO HUMANS IS
(SUPP DATA)
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:SKIN:THORO WASH EXPOS AREA W/SOAP & WATER. REMOVE CONTAM
CLTHG. LAUNDER CONTAM CLTHG BEFORE RE-USE. REMOVE CONTAM SHOES

PROMPTLY. DISCARD SHOES SATURATED W/THIS PROD. EYES:IMMED FLUSH W/LG AMTS OF WAT ER FOR AT LST 15 MINS, LIFTING UPPER & LOWER LIDS OCCAS. GET MED ATTN. INGEST:IMMED DRINK 2 GLASSES OF WATER & INDUCE VOMIT BY EITHER GIVING IPECAC SYRUP/BY PLACING FINGER AT BACK OF THROAT. (ING 6)

Fire Fighting

Flash Point Method:TCC
Flash Point:150F,66C
Lower Limits:1.1%
Upper Limits:10.6%
Extinguishing Media:ALCOHOL FOAM, WATER FOG, CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NEVER USE WELDING/CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY) BECAUSE PROD (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. ALL 5 GAL PAILS & LGR METAL CNTNRS (SUPDAT)

Accidental Release

Spill Release Procedures:SM SPILL:ABSORB LIQ ON PAPER, VERMICULITE, FLOOR ABSORB/OTHER ABSORB MATL & TRANSFER TO HOOD. LG SPILL:ELIM ALL IGNIT SOURCES (FLARES, FLAMES INCL PILOT LIGHTS, ELEC SPKS). PERS NOT WEARING PROT EQUIP SHOULD BE EXCLUDED FROM AREA OF SPILL (ING 8)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID &/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS MSDS MUST BE OBSERVED.

Exposure Controls

Respiratory Protection:IF WORKPLACE EXPOS LIM(S) OF PROD/ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA APPRVD RESPS (NEG PRESS TYPE) UNDER SPECIFIED(ING 12)
Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:NEOPRENE OR NITRILE RUBBER GLOVES.
Eye Protection:ANSI APPVD CHEM SPLSH GOGG .
Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING & BOOTS.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
EXPLO HAZ:INCL TANK CARS & TANK TRUCKS SHOULD BE GROUNDED &/OR BONDED WHEN MATL IS TRANSFERRED. VAPS ARE HVR/AIR & MAY TRAVEL ALONG GROUND/BE MOVED BY VENT & IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAME S & IGNIT SOURCES AT LOCATIONS DIST FROM MATL HNDLG POINT. EFTS OF OVEREXP:UNCERTAIN. OVEREXP TO THIS MATL (OR (ING 2)

Chemical Properties

Boiling Pt:B.P. Text:>336F,>169C
Vapor Pres:0.88 @ 25C
Vapor Density:4.1
Spec Gravity:0.901-0.904
Evaporation Rate & Reference:0.98 (N-BUTYL ACETATE=1)
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT W/STRONG OXIDIZING AGENTS, STRONG ALKALIES, ZINC, REACTIVE METALS SUCH AS ALUMINUM & MAGNESIUM.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:MAY FORM TOXIC MATERIALS: CARBON DIOXIDE, CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

Disposal

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS . SMALL/LARGE SPILLS:DESTROY BY INCINERATION I/A/W APPLICABLE REGULATIONS.

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.