

ETHYLENE GLYCOL,INHIBITED

MSDS Number

BHCMR

National Stock Number

6850-00-181-7940

Product Name

ETHYLENE GLYCOL,INHIBITED

Manufacturer

MALTER INTERNATIONAL BULK CHEMICAL DIV

Product Identification

Product ID:ETHYLENE GLYCOL,INHIBITED

MSDS Date:12/01/1989

FSC:6850

NIIN:00-181-7940

MSDS Number: BHCMR

Responsible Party

MALTER INTERNATIONAL BULK CHEMICAL DIVISION

80 FIRST STREET

GRETNA , LA 70053

US

Emergency Phone: 504-362-3232/800-424-9300(CHEMTREC)

Info Phone: 504-362-3232

Cage: 27978

Contractor

MALTER INTERNATIONAL BULK CHEMICAL DIVISION

GRETNA, LA 70053

US

504-362-3232, OR 800-535-4095

Cage: 27978

Ingredients

ETHYLENE GLYCOL (SARA III) *

CAS: 107-21-1

RTECS: KW2975000

Fraction By Weight: >95%

OSHA PELC 50 PPM *

ACGIH TLV: C 50 PPM,VAPOR; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 4.0%

SODIUM NITRATE (RUST INHIBITOR)

CAS: 7631-99-4

RTECS: WC5600000

Fraction By Weight:

SODIUM TETRABORATE, DECAHYDRATE *

CAS: 1303-96-4

RTECS: VZ2275000

Fraction By Weight:

OSHA PEL10 MG/M3 *

ACGIH TLV: 5 MG/M3; 9192 *

SODIUM METASILICATE (RUST INHIBITOR)

CAS: 10213-79-3

Fraction By Weight:

OSHA PEL15MG/M*3 TOTAL DUST

ACGIH TLV: 10MG/M*3 TOTAL DUST

SODIUM ORTHOPHOSPHATE (RUST INHIBITOR)

CAS: 7801-54-9

Fraction By Weight:

SODIUM MOLYBDATE (RUST INHIBITOR)

CAS: 7631-95-0

RTECS: QA5075000

Fraction By Weight:

SODIUM TOLYLTRIAZOLE (RUST INHIBITOR)

CAS: 64665-57-2

Fraction By Weight:

SODIUM MERCAPTOBENZOTHAZOLE (RUST INHIBITOR)

Fraction By Weight:

NON-IONIC SURFACTANT

Fraction By Weight:

STABILIZER

Fraction By Weight:

DYES

Fraction By Weight:

Hazards

LD50 LC50 Mixture:TLV 50 PPM CEILING (VAPORS)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-INHALE:VAPOR/MIST MAY CAUSE RESPIRATORY IRRITATION & MAY RESULT IN UNCONSCIOUSNESS.ORAL:WILL CAUSE ACUTE POISONING RESULTING IN SEVERE ABDOMINAL DISTURBANCES,CNS DEPRESSION & POSSIBLE RESPIRATORY AND/OR RENAL FAILURE.EYE/SKIN:WILL RESULT IN TEMPORARY IRRITATION.CHRONIC-NONE

KNOWN.

Effects of Overexposure:VAPOR/MIST MAY CAUSE RESPIRATORY IRRITATION & MAY RESULT IN UNCONSCIOUSNESS. ORALLY WILL CAUSE ACUTE POISONING RESULTING IN SEVERE ABDOMINAL DISTURBANCES, CNS DEPRESSION & POSSIBLE RESPIRATORY AND/OR RENAL FAILURE. EYE/SKIN CONTACT WILL RESULT IN TEMPORARY IRRITATION.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING LIVER, KIDNEY OR RESPIRATORY DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

First Aid

First Aid:CONSULT A PHYSICIAN.EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP & WATER.INHALED:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN IF NEEDED.ORAL:IF CONSCIOUS,INDUCE V OMITING.CALL A PHYSICIAN/POISON CONTROLCENTER IMMEDIATELY.NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS!

Fire Fighting

Flash Point Method:COC

Flash Point:260F,127C

Autoignition Temp:Autoignition Temp Text:775F

Extinguishing Media:WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL ALONG GROUND TO IGNITION SOURCE AND FLASH BACK.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT.ELIMINATE SOURCES OF IGNITION.VENTILATE THE AREA.STOP LEAK IF POSSIBLE.CONTAIN THE SPILL.PICK UP LARGE SPILL WITH NON-SPARKING TOOLS;SMALL SPILLS/RESIDUE WITH ABSORBENT MATER IAL.PLACE IN NON-LEAK CONTAINERS.CONTAIN RUN-OFF.

Handling

Handling and Storage Precautions:STORAGE-STORE IN COOL,WELL-VENTILATED AREA AWAY FROM INCOMPATIBLES.AVOID CONTACT WITH FOOD AND FOODSTUFF.

Other Precautions:EMPTY CONTAINERS MAY BE UNSAFE DUE TO PRESENCE OF RESIDUES. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING VAPORS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

Exposure Controls

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL VAPOR CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLI ANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:LOCAL EXHAUST

Protective Gloves:RUBBER GLOVES

Eye Protection:CHEMICAL GOGGLES OR FULL FACE SHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

Chemical Properties

HCC:V5

Boiling Pt:B.P. Text:330F,166C

Vapor Pres:18

Spec Gravity:1.125-1.126

pH:10-11

Solubility in Water: COMPLETE
Appearance and Odor: SLIGHTLY HAZY, FLUORESCENT GREEN LIQUID, SLIGHT GLYCOL ODOR

Stability

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZERS
Stability Condition to Avoid: EXCESSIVE HEAT, FLAME, IGNITION SOURCES
Hazardous Decomposition Products: MAY FORM CARBON MONOXIDE.

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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