

ETHENE

MSDS Number

BBCKR

National Stock Number

6830-00D000170

Product Name

ETHENE

Manufacturer

MATHESON GAS PRODUCTS

Product Identification

Product ID:ETHENE

MSDS Date:01/01/1985

FSC:6830

NIIN:00D000170

MSDS Number: BBCKR

Responsible Party

MATHESON GAS PRODUCTS

1920 WEST J ST

LA PORTE , TX 77571

US

Cage: 23972

Contractor

MATHESON GAS PRODUCTS DIV OF WILL ROSS INC

908

LA PORTE, TX 77571

US

Cage: 23972

Ingredients

ETHYLENE (SARA III)

CAS: 74-85-1

RTECS: KU5340000

Fraction By Weight: 96.7%

ACGIH TLV: ASPHYXIAN; 9192

METHANE

CAS: 74-82-8

RTECS: PA1490000

Fraction By Weight: 0.90%

ACGIH TLV: ASPHYXIAN; 9192

ETHANE

Fraction By Weight: 2.30%

PROPANE

CAS: 74-98-6

RTECS: TX2275000

Fraction By Weight: 0.10%

OSHA PEL1000 PPM

ACGIH TLV: ASPHYXIAN; 9192

Hazards

Effects of Overexposure: ASPHYXIAN, DROWSINESS, DIZZINESS & UNCONSCIOUSNESS. OVEREXPOSURE-HEADACHE, MUSCULAR WEAKNESS.

First Aid

First Aid: GIVE FRESH AIR OR ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED, & CALL A DOCTOR. REMOVE VICTIM TO FRESH AIR.

Fire Fighting

Flash Point: 0F

Autoignition Temp: Autoignition Temp Text: 1009F

Lower Limits: 3.1

Upper Limits: 32.0

Extinguishing Media: STOP FLOW OF GAS IF POSSIBLE

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS, COOL CONTAINER W/WAT

Unusual Fire/Explosion Hazard: NORMALLY STABLE, BUT WILL NOT DETONATE SPONTANEOUS, EXPLOSIVE IN SUNLIGHT WITH CHLORINE, FLASHBACK.

Accidental Release

Spill Release Procedures: GAS LEAK: KEEP CONCENTRATION OF GAS BELOW THE EXPLOSIVE RANGE BY FORCED VENTILATION. REMOVE THE TANK OR CYLINDER TO AN OPEN AREA. LEAVE TO BLEED OFF IN THE ATMOSPHERE. ATTEMPT TO CAP THE VALVE OUTLET & RETURN TANK.

Handling

Handling and Storage Precautions: GROUND ALL EQUIPMENT & CYLINDERS BEFORE USE. STORE & USE CYLINDERS IN WELL VENTILATED AREAS AWAY FROM HEAT & ALL SOURCES OF IGNITION SUCH AS FLAMES, SPK

Other Precautions: DO NOT USE ETHYLENE AROUND SPARKING MOTORS OR NON-EXPL. PROOF EQUIP. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. DO NOT STORE CYLS W/CYLS CONTAINING O₂, CL₂, OXIDIZERS OR FLAMM. MATLS. TEMP

Exposure Controls

Respiratory Protection: SELF-CONTAINED BREATHING APPARATUS.

Ventilation: LOCAL EXHAUST IS RECOMMENDED.

Protective Gloves: RUBBER

Eye Protection: SAFETY GOGGLES.

Other Protective Equipment: ORGANIC VAPOR CANISTER OR AIR-SUPPLIED MASK.

Supplemental Safety and Health

ITEM COMPOSITION IS IN PERCENT BY VOLUME. SPECIAL FIRE FIGHTING PROCEDURES (CONTD): IF BURNING CYLINDER IS MOUNTED ON ANESTHETIC MACHINE OR TRUCK MOVE CYLINDER TO SAFE PLACE.

Chemical Properties

HCC: G2

Boiling Pt: B.P. Text: -154.66F

Vapor Pres: 15.

Vapor Density: 1.0

Spec Gravity: 0.978

Appearance and Odor: COLORLESS GAS, SWEET ODOR & TASTE.

Percent Volatiles by Volume: 100

Stability

Stability Indicator/Materials to Avoid: YES
EXPLOSIVE, POISONS, RADIOACTIVE SUBSTANCE, OR ORGANIC PEROXS.

Disposal

Waste Disposal Methods: FIT A PIPELINE INTO THE FURNACE OR INTO THE PIT
& BURN WITH CARE.

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