

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

3134

ETHYL ETHYNYL ETHER, 50%**CHEMICAL NAME & SYNONYMS**

Ethyl ethynyl ether, 50% in Hexanes;
ethoxy acetylene; Farchan Prod. No. 139734

DOT CLASS

3/II
TSCA listed - No

SARA TITLE 313

No

FORMULA

HC≡COCH₂CH₃ 50%
C₆H₁₄ (mixed isomers) 50%

REPORTABLE QUANTITY

N/A
2270 kg

F.W.

70.09
86.18

CAS#

927-80-0
110-54-3

PHYSICAL DATA

Density 0.802. Boiling point 55-56°C.

APPEARANCE & ODOR

Clear colorless liquid, gasoline-like odor.

REACTIVITY & CONDITIONS TO AVOID

Stable. Incompatible with strong oxidizing materials, heat and sources of ignition. Reported to undergo explosive decomposition if heated above its boiling point to 100°C. Requires refrigeration.

FIRE HAZARDS

Flammable liquid, will emit toxic fumes of carbon monoxide and carbon dioxide. Firefighters wear SCBA.

EXTINGUISHER

CO₂, ABC dry powder, foam, water spray or fog.

FLASHPOINT

-34°C

LEL**UEL**

Not known

HEALTH HAZARDS

Vapors can be irritating to eyes and respiratory tract, hexane can be narcotic in high concentration. Symptoms of over exposure to hexane -fatigue, loss of appetite, drowsiness, dizziness, lung irritation, chest pain, headache, nausea, pulmonary edema, possibly fatal narcosis. OSHA Std. (hexane) Air TWA 50 ppm. TLV 50 ppm. OSHA PEL not established for ethyl ethynyl ether. LD₅₀(hexane)(oral-rat) 28710 mg/kg. LD₅₀(ethyl ethynyl ether)(oral-mouse) 2400 mg/kg. Hexane has experimental teratogenic, mutagenic and reproductive effects. No evidence of carcinogenicity. This product is supplied for use in research and development only and must be used by or under the supervision of a technically qualified individual.

FIRST AID

Remove contaminated clothing immediately and launder before reuse. Discard contaminated shoes. For eyes, flush with plenty of water for at least fifteen minutes. Seek medical attention immediately. For skin, wash thoroughly with soap and water, while removing clothing. Seek medical attention. For inhalation, remove to fresh air. If not breathing give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Seek medical attention at once. For ingestion, give milk or water and seek medical attention at once.

SPECIAL PRECAUTIONS

Wear goggles, rubber gloves, protective clothing. Use only with adequate ventilation and/or suitable respiratory protection. Avoid all contact. Requires refrigeration.

SPILLS & LEAKS

Remove ignition sources. Ventilate area. Equip personnel with respirator. Take up spill in absorbent and dispose to incinerator or other suitable hazardous waste.

CATALOG #

3134

PREPARED BY

MDM

DATE

February 20, 2004