

SCOTT SPECIALTY GASES -- ETHYLENE -- 6810-00-006-4205

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Product Identification
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Product ID:ETHYLENE
MSDS Date:07/26/1990
FSC:6810
NIIN:00-006-4205
MSDS Number: BTHSH
=== Responsible Party ===
Company Name:SCOTT SPECIALTY GASES
Address:ROUTE 611 NORTH
Box:D-11
City:PLUMSTEADVILLE
State:PA
ZIP:18949
Country:US
Info Phone Num:215-766-8861
Emergency Phone Num:215-766-8861
CAGE:51847
=== Cont
ractor Identification ===
Company Name:SCOTT SPECIALTY GASES
Address:6141 EASTON RD (6141 ROUTE 611)
Box:310
City:PLUMSTEADVILLE
State:PA
ZIP:18934
Country:US
Phone:215-766-8861/ FAX: 215-766-0416
CAGE:51847

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Composition/Information on Ingredients
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Ingred Name:ETHYLENE (SARA III)
CAS:74-85-1
RTECS #:KU5340000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9394

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Hazards Identification
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Route

s of Entry: Inhalation: YES Skin: YES Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: ACUTE: ASPHYXIANT. INHALATION OF HIGH
CONCENTRATIONS MAY RESULT IN MODERATE ANESTHESIA, DIMINISHED MENTAL
ALERTNESS, LOSS OF CONSCIOUSNESS AND CENTRAL NERVOUS SYSTEM
DEPRESSION. CHRONIC: NONE KNOWN.
Explanation of Carcinogenicity: NOT CARCINOGENIC.
Effects of Overexposure: LIQUID CONTACT CAN CAUSE FREEZE BURNS.
Medical Cond Aggravated by Exposure: NONE
KNOWN.

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

First Aid: INHALATION- IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF
BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS
DIFFICULT, GIVE OXYGEN. SKIN CONTACT- FLUSH EFFECTED AREA WITH TEPID
WATER.

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

Flash Point Method: CC
Flash Point: -351F, -213C
Lower Limits: 2.7
Upper Limits: 36
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, WA
TER SPRAY. USE
WATER SPRAY TO COOL FIRE EXPOSED CYLINDERS.
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS & FULL
PROTECTIVE CLOTHING. STOP FLOW OF GAS. DO NOT FULLY EXTINGUISH
BURNING GAS UNTIL FLOW HAS STOPPED.
Unusual Fire/Explosion Hazard: MODERATE WHEN EXPOSED TO FALME AND HEAT.

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

Spill Release Procedures: EVACUATE AND VENTILATE AREA. REMOVE SOURCES OF
HEAT OR IGNITION. REMOVE LEAKING CONTAINERS TO OUTDOORS OR INTO A
HOOD. CAN BE DISSOLVED IN COLD ORGANIC SOLVENT AND SUBSEQUENTLY
RECOVERED BY WARMING IT .

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

Handling and Storage Precautions: STORE IN WELL VENTILATED AREAS ONLY.
KEEP VALVE PROTECTION CAP ON CYLINDERS WHEN NOT IN USE AND SECURE
CYLINDER WHEN USING TO PROTECT FROM FALLING.
Other Precautions: USE SUITABLE HAND TRUCK TO MOVE CYLINDERS. PROTECT
CONTAINERS FROM PHYSICAL DAMAGE. DO NOT DEFAC

E CYLINDERS. MOVE

CYLINDER WITH ADEQUATE HAND TRUCK. CYLINDERS SHOULD BE REFILLED BY QUALIFIED PRODUCERS OF COMPRESSED GAS.

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

Respiratory Protection:USE A SELF-CONTAINED BREATHING APPARATUS IN CASE OF EMERGENCY OR NON-ROUTINE USE.

Ventilation:PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION. EXPLOSION PROOF.

Protective Gloves:INSULATED GLOVES TO PREVENT CONTACT.

Eye Protection:SAFETY GLASSES.

Other Protect

ive Equipment:SAFETY SHOES RECOMMENDED FOR HANDLING CYLINDERS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE

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

HCC:G2

Boiling Pt:B.P. Text:-155F,-104C

Vapor Pres:35.04

Vapor Density:0.98

Spec Gravity:0.568

Solubility in Water:0.226

Appearance and Odor:COLORLESS, SWEET ODOR.

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

Stability Indicator/Materials to Avo

id:YES

STRONG OXIDIZERS. REACTS VIGOROUSLY WITH ALCL₃, O₃, CCL₄, BENZOYL PEROXIDE, BROMOTRICHLOROMETHANE & NITROMETHANE + ALCL₃

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:ALLOW GAS TO DISCHARGE AT A MODERATE RATE.

RETURN DEFECTIVE CYLINDERS TO SUPPLIER. IT CAN BE ABSORBED IN 95% SULFURIC ACID/RESULTING MIXTURE

CAN BE TAKEN TO PLANT DISPOSAL UNIT
FOR NEUTRALIZATION AND DISPOSAL.

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