

MATHESON GAS PRODUCTS INC -- SULFUR HEXAFLUORIDE -- 6830-00-817-2342

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Product Identification
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Product ID:SULFUR HEXAFLUORIDE

MSDS Date:03/28/1990

FSC:6830

NIIN:00-817-2342

MSDS Number: BMBWC

=== Responsible Party ===

Company Name:MATHESON GAS PRODUCTS INC

Address:30 SEAVIEW DR

Box:1587

City:SECACUS

State:NJ

ZIP:07094-1882

Country:US

Info Phone Num:201-867-4100

Emergency Phone Num:800-42

4-9300 (CHEMTREC)

CAGE:0NPS5

=== Contractor Identification ===

Company Name:C F C RECLAMATION AND RECYCLING SERVICE INC

Address:318 N TREADAWAY

Box:560

City:ABILENE

State:TX

ZIP:79604

Country:US

Phone:9150-675-5311 FAX: 915-675-5324

CAGE:0XXK5

Company Name:MATHESON GAS PRODUCTS INC

Address:30 SEAVIEW DR

Box:1587

City:SECACUS

State:NJ

ZIP:07094-1882

Country:US

Phone:800-424-9300 (CHEMTREC)

CAGE:0NPS5

Company Name:MATHESON GAS PRODUCTS INC (216-425-4406)

Box:UNKNOW

CAGE:1CU48

Company Name:TRI-GAS

INC (FRMLY BIG THREE INDUSTRIES)
Address:8200 WASHINGTON ST NE
Box:30211
City:ALBUQUERQUE
State:NM
ZIP:87190
Country:US
Phone:505-823-2600
CAGE:2M123

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===== Composition/Information on Ingredients =====

Ingred Name:SULFUR HEXAFLUORIDE
CAS:2551-62-4
RTECS #:WS4900000
Fraction by Wt: 100%
Other REC Limits:STEL = 1250 PPM
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9091

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 IV-RBT 5790 MG/KG
Route
s of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SULFUR HEXAFLUORIDE IS NONTOXIC AND IS
A SIMPLE ASPHYXIANT, LIBERATION OF A LARGE AMOUNT IN A CONFINED
AREA COULD DISPLACE THE AMOUNT OF OXYGEN IN AIR NECESSARY TO
SUPPORT LIFE.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Over
exposure:EFFECTS OF EXPOSURE TO HIGH CONCENTRATIONS
WHICH DISPLACE THE OXYGEN IN THE AIR NECESSARY FOR LIFE ARE
HEADACHE, DIZZINESS, LABORED BREATHING AND EVENTUAL
UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: CONSCIOUS PERSONS SHOULD BE TO FRESH AIR, IF
BREATHING HAS STOPPED, RESUSCITATE & GIVE O2. GET PROMPT MEDICAL
ASSISTANCE.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:NONFLAMMABLE INERT GAS

Fire Fighting Procedures:IF POSSIBLE WITHOUT RISK, MOVE CYLINDERS AWAY FROM FIRE AREA. FROM A SAFE DISTANCE COOL CYLINDERS WITH A WATER SPRAY UNTIL WELL AFTER FIRE IS OUT.

Unusual Fire/Explosion Hazard:CYLINDERS EXPOSED TO HEAT OR FLAMES MAY VENT RAPIDLY OR EXPLODE.

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

Spill Release Procedures:EVA

CUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT, BE CERTAIN TO PURGE PIPING WITH AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IS IN CONTAINER OR VALVE, CALL THE "800" EMERGENCY NO.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SEC

URED WITH VALVE OUTLET PIPED TO USE POINT.

Other Precautions:DO NOT DRAG, SLIDE OR ROLL CYLINDERS. USE A SUITABLE HAND TRUCK FOR CYLINDER MOVEMENT. USE A PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE PIPING OR SYSTEMS. DO NOT HEAT CYLIN DER BY ANY MEANS TO INCREASE DISCHARGE.

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR EMERGENCY USE.

Ventilation:USE HOOD WITH FORCED VENTILATION. LOCAL EXHAUST REQUIRED TO PREVENT ACCUMULATION ABOVE THE TWA.

Protective Gloves:CLOTH OR LEATHER WORK GLOVES

Eye Protection:SAFETY GOGGLES OR GLASSES.

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAVILY TRAVELED AREAS AND EMERGENCY EXITS.

DO NOT ALLOW THE TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 125F. CYLINDERS SHOULD BE STORED UPRIGHT AND FIRMLY SECURED TO PREVENT FALLING OR BEING KNOCKED OVER.

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

HCC:G3
Boiling Pt:B.P. Text:SUBLIM.-83F
Melt/Freeze Pt:M.P/F.P Text:-59F,-51C
Decomp Temp:Decomp Text:400F,204C
Vapor Pres:16,548 MM
Vapor Density:5.1
Spec Gravity:1.68
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS, ODORLESS GAS
Percent Vol
atiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
DISILANE:EXPLODE ON CONTACT.
Hazardous Decomposition Products:TOXIC AND HAZARDOUS FLUORINE GAS AND OXIDES OF SULFUR.

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

Waste Disposal Methods:ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING HEALTH AND POLLUTION SHOULD BE FOLLOWED IN WASTE DISPOSAL. DO NOT DISPOSE OF UNUSED QUANTITIES. RETURN THE PROPERLY LABELED SHIPPING CONTAINERS TO MFR.

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