

AIR PRODUCTS AND CHEMICALS INC. -- SULFUR HEXAFLUORIDE -- 6830-00-985-7283

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Product Identification  
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Product ID:SULFUR HEXAFLUORIDE

MSDS Date:02/01/1991

FSC:6830

NIIN:00-985-7283

MSDS Number: BGBWP

=== Responsible Party ===

Company Name:AIR PRODUCTS AND CHEMICALS INC.

Address:7201 HAMILTON BLVD.

Box:351

City:ALLENTOWN

State:PA

ZIP:18195-1501

Country:US

Info Phone Num:215-481-8257

Emergen

cy Phone Num:215-481-8257/800-523-9374

CAGE:8K294

=== Contractor Identification ===

Company Name:AIR PRODUCTS AND CHEMICALS INC

Address:7201 HAMILTON BLVD

Box:City:ALLENTOWN

State:PA

ZIP:18195-1501

Country:US

Phone:800-345-3148/ 800-752-1597

CAGE:00742

Company Name:AIR PRODUCTS AND CHEMICALS INC

Address:RD 1

Box:351

City:TAMAQUA

State:PA

ZIP:18252

Country:US

Phone:717-467-2981

CAGE:8K294

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Composition/Information on Ingredients  
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Ingred Name:SULFUR HEXAFLUORIDE

CAS:25

51-62-4  
RTECS #:WS4900000  
Fraction by Wt: 100%  
Other REC Limits:STEL=1250PPM  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9394

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

Routes of Entry: Inhalation:YES Skin:UNKNOWN Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EXPOSURE TO HIGH CONCENTRATIONS  
DISPLACES THE OXYGEN IN THE AIR NECESSARY FOR LIFE.  
Effects of Overexposure:HEADACHE, DIZZINESS, LABORED BREATHING AND  
EVEN  
TUAL UNCONSCIOUSNESS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:PROMPT MEDICAL ATTENTION IS REQUIRED IN ALL CASES OF  
OVEREXPOSURE. RESCUE PERSONNEL SHOULD BE EQUIPPED W/APPRORPIATE  
PROTECTIVE EQUIT. INHAL:REVOVE TO FRESH AIR. UNCONSCIOUS PERSONS  
SHOULD BE GIVEN MO UTH-TO-MOUTH RESUSCITATION AND SUPPLEMENTAL  
OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

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

Extinguishing Media:NONFLAMMABLE, INERT GAS.  
Fire Fighting Procedures:IF POSSIBLE W/O RISK, MOVE CYLINDERS AWAY FROM  
FIRE AREA. FROM A SAFE DISTANCE COOL CYLINDERS W/A WATER SPRAY TIL  
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:EVACUATE ALL PERSONNEL  
FROM AREA. USE  
APPROPRIATE PROTECTIVE EQUIPMENT. PURGE SERVICE PIPING W/INERT GAS  
PRIOR TO REPARIS. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CALL  
800-523-9374.

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

Handling and Storage Precautions:USE HAND TRUCK FOR MOVING TANK.PROTECT  
FROM PHYSICAL DAMAGE.STORE UPRIGHT IN COOL,DRY,WELL VENTILATED AREA  
TEMP NOT >125F.FOLLOW SAFETY RULES FOR CYLI  
Other Precautions:DISILANE EXPLODES VIOLENTLY ON CONTACT W/SULF

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HEXAFLUORIDE. ELECTRICAL ARCING IN THE PRESENCE OF OXYGEN OR MOISTURE WILL BREAK DOWN SULFUR HEXAFLUORIDE YIELDING TOXIC SULFUR OXYFLUORIDES. FOLLOW SAFETY RULES FOR HANDLING/STORING CYLINDERS.

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

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

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

Protective Gloves: ANY MATERIAL.

Eye Protection: SAFETY GOGGLES OR GLASSES.

Other Protective Equipment: SAFETY SHOES.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FOR ADDITIONAL STORAGE RECOMMENDATIONS CONSULT AIR PRODUCTS SPECIALTY GAS CATALOG SAFETY AND TECHNICAL INFORMATION SECTION OR COMPRESSED GAS ASSOCIATION PAMPHLET P-1.

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

HCC: G3

Boiling Pt: B.P. Text: -83F

, -64C

Melt/Freeze Pt: M.P/F.P Text: -59F, -51C

Vapor Pres: 312.9 PSIA

Vapor Density: 0.382 LB/F3

Spec Gravity: 5.105

Solubility in Water: NEGLIGIBLE

Appearance and Odor: COLORLESS, ODORLESS GAS

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

Stability Indicator/Materials to Avoid: YES

CONTACT W/METALS OTHER THAN ALUMINUM, STAINLESS STEEL, COPPER & BRASSES OR SILVER AT TEMPERATURES