AIR PRODUCTS AND CHEMICALS INC. -- SULFUR HEXAFLUORIDE -- 6830-00-817-2342
===================== Product Identification =====================

Product ID:SULFUR HEXAFLUORIDE
MSDS Date:02/01/1991
FSC:6830
NIIN:00-817-2342
MSDS Number: BGWZX
=== Responsible Party ===
Company Name:AIR PRODUCTS AND CHEMICALS INC.
Address:7201 HAMILTON BLVD
City:ALLENTOWN
State:PA
ZIP:18195-1501
Country:US
Info Phone Num:215-481-8257
Emergency Phone
Num:800-523-9374 (800-322-9092 IN PA)
CAGE:00742
=== 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

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

Ingred Name:SULFUR HEXAFLUORIDE
CAS:2551-62-4
RTECS #:WS4900000
Fraction by Wt: >99.8%
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9192

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

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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO   IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NONE. SULFUR HEXAFLUORIDE IS NONTOXIC,
    BUT COULD BE ASPHYXIANT IF RELEASED TO ATMOSPHERE IN LARGE AMOUNTS.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
    CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:INHALATION: HEADACHE, D
IZZINESS, LABORED
    BREATHNG, AND EVENTUAL UNCONSCIOUSNESS. NO OTHER SYMPTOMS GIVEN BY
    MFR.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:PROMPT MEDICAL ATTENTION IS REQUIRED IN ALL CASES OF
    OVEREXPOSURE. INHALATION. QUICKLY REMOVE VICTIM TO FRESH AIR. GIVE
    OXYGEN OR ARTIFICIAL RESPIRATION. FURTHER TREATMENT SHOULD BE
    SYMPTOMATIC AND SU PPORTIVE.

===================== Fire F
ighting Measures =====================

Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:NONE. NONFLAMMABLE, INERT GAS.
Fire Fighting Procedures:REMOVE FIRE-EXPOSED CYLINDERS, IF WITHOUT
    RISK. FROM SAFE DISTANCE, COOL CYLINDERS WITH WATER SPRAY UNTIL
    WELL AFTER EXPOSURE CEASES.
Unusual Fire/Explosion Hazard:FIRE OR HEAT-EXPOSED CYLINDERS MAY VENT
    RAPIDLY OR EXPLODE.

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

Spill Release Procedures:EVACUA
TE PERSONNEL. USE SCBA. IF LEAK, PURGE
    EQUIP AND PIPING WITH INTERT GAS B4 REPAIRS. VAPORS MAY CAUSE
    DIZZINESS OR SUFFOCATION. CONTACT WITH LIQUID MAY CAUSE FROSTBITE.
    FIRE MAY PRODUCE IRRITATIN G OR POISONOUS GASES.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE ONLY IN WELL-VENTILATED AREAS.
    STORE IN COOL, DRY AREA. DO NOT EXCEED 125F STORAGE TEMP. STORE CYL
    IN SEC

URED UPRIGHT POSITION AWAY FROM CONGESTED
Other Precautions:AREAS AND EMERGENCY EXITS. SEPARATE FULL FROM EMPTY
   CONTAINERS. USE HAND TRUCK FOR CYL MOVEMENT, DO NOT DRAG, ROLL OR
   SLIDE CYLINDERS. FOR FURTHER INFO, CONSULT AIR PRODUCTS SPECIALTY
   GAS TECH INFO SE CTION OR CGA PAMPHLET P-1.

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

Respiratory Protection:POSITIVE PRESSURE AIR LINE WITH MASK OR SCBA.
Ventilation:HOOD WITH FORCED VENTILATION, LOCAL EXHAUST.
Prot
ective 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
NONE SPECIFIED BY MANUFACTURER.

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

HCC:G3
Boiling Pt:B.P. Text:-83F SUBLIM
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:312.9 PSIA
Vapor Density:0.382 LBCF
Spec Gravity:SEE APPEARANCE
Solubility in Water:NEGLIGIBLE
Appearance and Od
or:COLORLESS, ODORLESS GAS. AIR SPGR=5.105, HEAVIER
   THAN AIR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
METALS OTHER THAN LISTED BELOW CAUSE SLOW DECOMP TO SF2, SF4, S2F2 AND
   S2F10
Hazardous Decomposition Products:PRODUCT IS STABLE AT ELEVATED
   TEMPERATURES (