

ALLIED-SIGNAL INC, ENGINEERED MATERIALS SECTOR -- ACCUDRI SF6 - SULFUR HEXAFLUORIDE  
-- 6830-00-985-7283

===== Product Identification =====

Product ID:ACCUDRI SF6 - SULFUR HEXAFLUORIDE

MSDS Date:07/01/1993

FSC:6830

NIIN:00-985-7283

MSDS Number: BVZHW

=== Responsible Party ===

Company Name:ALLIED-SIGNAL INC, ENGINEERED MATERIALS SECTOR

Address:COLUMBIA RD AND PARK AVE

Box:1087R

City:MORRISTOWN

State

:NJ

ZIP:07960

Country:US

Info Phone Num:800-522-8001

Emergency Phone Num:800-522-8001

CAGE:1L164

=== Contractor Identification ===

Company Name:ALLIED-SIGNAL INC

Box:2332R

City:MORRISTOWN

State:NJ

ZIP:07962-2332

Country:US

Phone:201-455-4414

CAGE:1L164

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

Ingred Name:SULFUR HEXAFLUORIDE

CAS:2551-62-4

RTECS #:WS4900000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9394

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Hazards Identification  
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LD50 LC50 Mixture:INTRAVENOUS LD50 (RAT) IS 5790 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN-DIRECT CONTACT MAY CAUSE

FROSTBITE INJURY. EYE-DIRECT CONTACT MAY CAUSE FROSTBITE INJURY.

INHALATION-PURE SF6 IS OF A LOW ORDER OF TOXICITY, BUT MAY ACT AS

AN ASPHYXIANT IF OXYGEN IS REDUCED TO BELOW 16%. INGESTION-NOT

APPLI

CABLE.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:INHALATION-PALENESS AND POSSIBLE CYANOSIS (BLUE

SKIN).

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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Fire Fighting Measures  
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Extinguishing Media:IF INVOLVED IN A FIRE, USE DRY CHEMICAL OR CARBON  
DIOXIDE FOR SMALL FIRES OR WATER SPRAY, FOG, OR REGULAR FOAM IF  
LARGE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. COOL

CYLINDERS EXPOSED TO HEAT OF FIRE WITH FLOODING AMOUNTS OF WATER.

APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE.

Unusual Fire/Explosion Hazard:CYLINDERS MAY EXPLODE IN HEAT OF FIRE.

FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.

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Accidental Release Measures  
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Spill Release Procedures:EVACUATE UNPROTECTED PERSONNEL. STAY UPWIND.  
PROTECTED PERSONNEL MAY SHUT OFF LEAK IF WITHOUT RISK. PRODUCT WILL  
DISPERSE ITSELF.

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Handling and Storage  
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Handling and Storage Precautions:OBSERVE PRECAUTION ON CYLINDER LABEL.  
PROTECT CYLINDER FROM PHYSICAL DAMAGE. PROTECT CYLINDERS FROM HEAT  
& SUNLIGHT. STORE IN AN AREA OF LOW FIRE RISK

Other Precautions:FOR ADDITIONAL INFORMATION SEE COMPRESSED GAS  
ASSOCIATION PAMPHLET, "SAFE HANDLING OF COMPRESSED GASES IN  
CONTAINERS," 7TH ED., 1984.

=====  
Exposure Controls/Personal Protection  
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Respiratory Protection:SELF-CONTAIN

NED BREATHING APPARATUS OR  
AIR-SUPPLIED RESPIRATOR IF NEEDED. NOTE THAT AN ACCIDENTAL RELEASE  
OF SF6 MAY REDUCE THE OXYGEN CONTENT OF THE LOCAL ATMOSPHERE BELOW  
16%.

Ventilation:GENERAL MECHANICAL VENTILATION.

Protective Gloves:RUBBER GLOVES AND COVERALLS.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:COVERALLS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE

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

HCC:G3

Boiling Pt:B.P. Text:SUBLIMES

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

Vapor Pres:GAS

Vapor Density:5.1

Spec Gravity:GAS

Solubility in Water:SLIGHT

Appearance and Odor:COLORLESS GAS, ODORLESS.

Percent Volatiles by Volume:GAS

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

Stability Indicator/Materials to Avoid:YES

AVOID LEAKAGE OF A LIQUEFIED GAS SUCH AS SF6 ONTO WATER OR CONTACT WITH  
HOT REACTIVE METALS.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS.

Hazardous Decomposition Products:FLUORIDES OF SULFUR, METAL FLUORIDES  
AND SULFIDES.

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

Waste Disposal Methods:THE INFORMATION OFFERED HERE IS FOR THE PRODUCT  
AS SHIPPED. USE &/OR ALTERATIONS TO THE PRODUCT SUCH AS MIXING WITH  
OTHER MATERIALS MAY SIGNIFICANTLY CHANGE THE CHARACTERISTIC OF THE  
MATERIAL & ALTER THE RCRA CLASSIFICATION & DISPOSAL METHODS.

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