

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

=====

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

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.

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

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.

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

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

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

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
=====

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.

Disclaimer (provided with this information by the compiling

agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.