

CRYODYNE TECHNOLOGIES INC -- SULFUR HEXAFLUORIDE -- 6830-00-985-7283

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Product Identification
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Product ID:SULFUR HEXAFLUORIDE

MSDS Date:03/01/1990

FSC:6830

NIIN:00-985-7283

MSDS Number: CDQMH

=== Responsible Party ===

Company Name:CRYODYNE TECHNOLOGIES INC

Address:67 WINTHROP RD

Box:233

City:CHESTER

State:CT

ZIP:06412

Country:US

Info Phone Num:860-526-5000

Emergency Phone Num:860-526-5000

0

CAGE:0EHW9

=== Contractor Identification ===

Company Name:CRYODYNE TECHNOLOGIES INC

Address:67 WINTHROP RD

Box:233

City:CHESTER

State:CT

ZIP:06412

Country:US

Phone:203-526-5000

CAGE:0EHW9

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Composition/Information on Ingredients
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Ingred Name:SULFUR HEXAFLUORIDE

CAS:2551-62-4

RTECS #:WS4900000

Fraction by Wt: MAJOR

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9596

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Hazards Identification
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LD50

LC50 Mixture:TLV=1000 MOLAR PPM

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

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

Health Hazards Acute and Chronic:INHAL:SIMPLE ASPHYXIANT.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:PROMPT MEDICAL ATTENTION IS REQUIRED IN ALL CASES OF OVEREXPOSURE.RESCUE PERSONNEL SHOULD WEAR A SCBA.

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

Flash Point:NONE

Extinguishing Media:NON FLAMMABLE,INERT GAS.

Fire Fighting Procedures:HMIS SUGGESTS TO USE A SELF-CONTAINED BREATHING APPARATUS WHENEVER FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:SEE STABILITY SECTION REGARDING SELECTION OF METALS CONTAINERS.

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

Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.CONTACT THE NEAREST CRYODYNE LOCATION.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions:PU

RGE PIPING WITH AN INERT GAS BEFORE ATTEMPTING REPAIRS.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS USED IN THE POSITIVE PRESSURE MODE OR AN AIR-LINE RESPIRATOR.

Ventilation:USE A FUME HOOD.

Protective Gloves:COTTON FOR HANDLING CYLINDERS.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACT

URER.

Work Hygienic Practices:EXECISE GOOD LABORATORY PRACTICES.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

SPECIFIC GRAVITY:(OF GAS AT STP) IS 5.13 X AIR @70F OR 0.005 G/ML;(OF LIQUID @59F) IS 89.83LB/FT*3.GAS DENSITY @68F IS .3847LB/FT*3.

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

HCC:G3

Boiling Pt:B.P. Text:-83F,-64C

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

Vapor Pres:319.1PSIA

Vapor Density:SUPPL

Spec Gravity:SUPPL

Solubility in Water:

er:NEGLIGIBLE

Appearance and Odor:COLORLESS,ODORLESS GAS.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:NO

STORE ONLY IN ALUMINUM,STAINLESS STEEL,COPPER,BRASS OR SILVER.

Stability Condition to Avoid:TEMPERATURES ABOVE 400F(IN CONTACT WITH METALS OTHER THAN THOSE LISTED BELOW).

Hazardous Decomposition Products:DECOMP PRODS

W/METALS:SF*2,S*2F*2,SF*4,S*2F*10;IF OXYGEN IS PRESENT,SOFL*2,SO*2F*2

,THIONYL FLUORIDE AND FLUORIDE CMPDS.

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

Waste Disposal Methods:RETURN TO CRYODYNE.SECURE VALVES AND CAPS AND PROPERLY LABEL BEFORE OFFERING FOR TRANSPORTATION.

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