

AGA GAS INC -- SULFUR HEXAFLUORIDE -- 6830-00-817-2342

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

Product ID:SULFUR HEXAFLUORIDE

MSDS Date:01/01/1995

FSC:6830

NIIN:00-817-2342

MSDS Number: CDMMT

=== Responsible Party ===

Company Name:AGA GAS INC

Address:6225 OAKTREE BLVD

City:INDEPENDENCE

State:OH

ZIP:44131

Country:US

CAGE:09785

=== Contractor Identification ===

Company Name:AGA GAS INC

Address:6225 OAKT

REE BLVD

Box:City:INDEPENDENCE

State:OH

ZIP:44131

Country:US

CAGE:09785

Company Name:C F C RECLAMATION AND RECYCLING SERVICE INC

Address:318 N TREADAWAY

Box:560

City:ABILENE

State:TX

ZIP:79604

Country:US

Phone:9150-675-5311 FAX: 915-675-5324

CAGE:0XXK5

===== 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; 9596

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===== Hazards Identification =====
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LD50 LC50 Mixture:PEL: 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:EFFECTS OF EXPOSURE TO HIGH

CONCENTRATIONS SO AS TO DISPLACE THE OXYGEN IN THE AIR NECESSARY FOR LIFE ARE HEADACHE, DIZZINESS, LABORED BREATHING AND EVENTUAL UNCONSCIOUSNESS.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT

CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:HEADACHE, DIZZINESS, LABORED BREATHING, UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:PERSONS IN ILL HEALTH WHERE SUCH ILLNESS WOULD BE AGGRAVATED BY EXPOSURE TO SULFUR HEXAFLUORIDE SHOULD NOT BE ALLOWED TO WORK WITH OR HANDLE THIS PRODUCT.

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===== First Aid Measures =====
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First Aid:PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF

OVEREXPOSURE TO SULFUR HEXAFLUORIDE. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. INHALATION: CONSCIOUS PERSONS SH OULD BE ASSISTED TO UNCONTAMINATED AREAAND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE GIVEN ASSISTED RESIPIRATION AND SUPPLEMENTAL O2.

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===== Fire Fighting Measures =====
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Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper

Limits:NOT GIVEN

Extinguishing Media:NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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===== Accidental Release Measures =====
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Spill Release Procedures:EVACUATE ALL PERSONNEL FROM THE AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPM

ENT, BE CERTAIN TO PURGE PIPING WITH AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK I S IN CONTAINER CONTACT SUPPLIER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGEENCY EXITS.

Other Precautions:DO NOT ALLOW TEMPERATURE WHERE CYLINDERS ARE STORED TO EXCEED 125F. CYLINDERS SHOULD BE STORED UPRIGHT AND FIRMLY SECURED TO PREVENT FALLING OR BEING KNOCKED OVER. FULL AND EMPTY CYLINDERS SHOULD BE S EGREGATED.

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

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

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

Protective Gloves:ANY MATERIAL

Eye Protection:SAFETY GOGGLES OR GLASSES

Other Protective Equipment:SAFETY SHOES

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

USE ONLY IN WELL-VENTILATED AREAS. VALVE PROTECTION CAPS MUST REMAIN IN PLACE UNLESS CONTAINER IS SECURED WITH VALVE OUTLET PIPED TO USE POINT. DO NOT DRAG, SLIDE OR ROLL CYLINDERS. USE A SUITABLE HAN D TRUCK FOR CYLINDER MOVEMENT. USE A PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE PIPING.

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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:319 PSIA

Vapor Density:NOT GIVEN

Spec Gravity:5.13

Evaporation Rate & Reference:NOT GIVEN (GAS)

Solubility in Water:VERY SLIGHTLY

Appearance and Odor:COLORLESS, ODORLESS GAS

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

Stability

Indicator/Materials to Avoid: YES

DISILANE EXPLODES VIOLENTLY ON CONTACT W/SULFUR HEXAFLUORIDE.

ELECTRICAL ARCING W/O₂ WILL BREAK DOWN SULFUR HEXAFLUORIDE

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: SF₂, S₂F₂, SF₄, S₂F₁₀, SOF₂, SO₂F₂,

OTHER TOXIC FLUORIDE COMPOUNDS

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

Waste Disposal Methods: DO NOT ATTEMPT TO DISPOSE OF WASTE OR UNUSED

QUANTITIES. RETURN IN THE SHIPPING

CONTAINER PROPERLY LABELED, WITH

ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN

PLACE TO YOUR SUPPLIER.

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