

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-255/2551-62-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
2551-62-4

**Code:**  
T

**RTECS:**  
WS4900000

**Code:**  
T

**Name:**  
SULFUR HEXAFLUORIDE

**Other REC Limits:**

NOT PROVIDED

**OSHA PEL:**  
6000 MG/M3;1000 PPM

**Code:**  
T

**OSHA STEL:**  
N/P

**Code:**

**ACGIH TLV:**  
5970 MG/M3;1000 PPM

**Code:**  
T

**ACGIH STEL:**  
NOT ESTABLISHED

**Code:**  
T1

## Control Measures

### 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 THE TWA.

### Protective Gloves:

ANY MATERIAL

### Eye Protection:

SAFETY GOGGLES OR GLASSES.

### Other Protective Equipment:

Equipment SAFETY SHOES

### Work Hygienic Practices:

NOT PROVIDED

### Supplemental Safety and Health:

AT NORMAL TEMPERATURES, SULFUR HEXAFLUORIDE IS NONCORROSIVE AND MAY BE USED WITH ANY COMMON STRUCTURAL MATERIAL.. ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED. SCBA = SELF CONTAINED BREATHING APPARATUS. 3

## Health Hazards Data

### LD50/LC50/Mixture:

NOT PROVIDED

### Route Of Entry Inds - Inhalation:

N/P

### Skin:

N/P

### Ingestion:

N/P

### Carcinogenicity Inds - 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:

SULFUR HEXAFLUORIDE IS NOT LISTED IN THE IARC, NTP OR BY OSHA AS A CARCINOGEN OR POTENTIAL CARCINOGEN.

### Signs And Symptoms Of Overexposure:

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.

### 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.

### 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 SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT.

UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATED AREA, GIVEN ASSISTED RESPIRATION AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE.

### Spill Release Procedures:

EVACUATE ALL PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. IF LEAK IS IN USER'S EQUIPMENT, BE CERTAIN TO PURGE PIPING WITH AN INERT GAS PRIOR TO ATTEMPTING REPAIRS. IF LEAK IS IN CONTAINER OR CONTAINER VALVE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED IN MSDS.

### Neutralizing Agent:

NOT RELEVANT

### 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. FOR EMERGENCY DISPOSAL ASSISTANCE, CONTACT YOUR CLOSEST SUPPLIER LOCATION OR CALL THE EMERGENCY TELEPHONE NUMBER LISTED IN MSDS.

### Handling And Storage Precautions:

PROTECT CYLINDERS FROM PHYSICAL DAMAGE. STORE IN COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAVILY TRAFFICKED AREAS AND EMERGENCY EXITS, DO NOT ALLOW TEMPERATURE WHERE CYLINDERS STORED TO EXCEED 125F (52C). CYLINDERS SHOULD BE STORED UPRIGHT, FIRMLY SECURED TO PREVENT FALLING OR BEING KNOCKED OVER.

### Other Precautions:

2 FULL AND EMPTY CYLINDERS SHOULD BE SEGREGATED, USE A "FIRST IN - FIRST OUT" INVENTORY SYSTEM TO PREVENT FULL CYLINDERS BEING STORED FOR EXCESSIVE PERIODS OF TIME. FOR ADDITIONAL RECOMMENDATIONS, CONSULT COMPRESSED GAS ASSOCIATION'S PAMPHLETS P-9, P-14, AND SAFETY BULLETIN SB-2.

## Fire and Explosion Hazard Information

### Flash Point Method:

N/A

### Flash Point:

N/A

### Flash Point Text:

NOT APPLICABLE

### Autoignition Temp:

N/A

### Autoignition Temp Text:

N/A

### Lower Limits:

N/A

### Upper Limits:

N/A

### Extinguishing Media:

NONFLAMMABLE, INERT GAS

### Fire Fighting Procedures:

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

### Unusual Fire/Explosion Hazard:

NON

## Physical/Chemical Properties

### HCC:

G3

### NRC/State Lic No:

N/A

### Net Prop WT For Ammo:

N/A

### Boiling Point:

=-63.6C, -82.8F

### B.P. Text:

SUBLIMATION POINT

Melt/Freeze Pt:

=-50.6C, -59.4F

### M.P/F.P Text:

N/A

### Decomp Temp:

N/A

### Decomp Text:

NOT PROVIDED

### Vapor Pres:

@70F (21.1C) =16497

Vapor Density:

5.13

### Volatile Org Content %:

N/A

### Spec Gravity:

GAS

### VOC Pounds/Gallon:

N/A

### PH:

NOT APPLICABLE

### VOC Grams/Liter:

N/A

### Viscosity:

NOT APPLICABLE

### Evaporation Rate & Reference:

N/A (GAS)

### Solubility in Water:

VERY SLIGHTLY

### Appearance and Odor:

NONFLAMMABLE, INERT GAS

### Percent Volatiles by Volume:

N/A

### Corrosion Rate:

NOT PROVIDED

### Condition To Avoid Polymerization:

NONE

## Toxicological Information

### Information:

N/P

## MSDS Transport Information

### Information:

N/P

## Regulatory Information

### Sara Title III Information:

N/P

### Federal Regulatory Information:

N/P

### State Regulatory Information:

N/P

### Other Information:

N/P

## Other Information

### Other Information:

N/P

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