

<b>MSDS</b>	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Leland Limited, Inc.</b> <b>2614 South Clinton Ave.</b> <b>South Plainfield, NJ 07080</b> <b>908-668-1008 9-5 EST</b> <b>908-668-1744**</b> <b>908-668-7716</b>	<b>Emergency Contact Information: CHEMTREC</b> <b>Domestic 800-424-9300</b> <b>International 703-527-3887</b>
**speak a callback number then hit #911. Someone will call back in a short amount of time.	<b>Gas: Sulfur Hexafluoride</b> <b>UN# 1080</b> Sulfur fluoride, F6S, Molecular Mass: 146.1

Component: Sulfur Hexafluoride (CAS#2551-62-4) 100%  
CERCLA Ratings (Scale 0-3): Health=1, Fire=0, Reactivity=0, Persistence=0  
NFPA Ratings (Scale 0-4): Health=1, Fire=0, Reactivity=0  
Physical State; Appearance: Odorless, colorless, compressed liquefied gas

Types of Hazard & Exposure	Acute Hazards / Symptoms	Prevention	First Aid / Fire Fighting
Fire	Not Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	None	In case of fire in the surroundings: all extinguishing agents allowed.
Explosion	None	None	In case of fire: keep cylinder cool by spraying with water.
Exposure			
Inhalation	Suffocation	Ventilation.	Fresh air, rest. Artificial respiration may be needed. Refer for medical attention.
Skin	ON CONTACT WITH LIQUID: FROSTBITE	Cold insulating gloves.	ON FROSTBITE: rinse with plenty of water, do NOT remove clothes. Refer for medical attention;
Eyes	On contact with liquid: frostbite.	Safety goggles, face shield.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	None	None	None
Spillage Disposal	Storage	Packaging & Labeling	
Evacuate danger area! Ventilation. NEVER direct water jet on liquid. (Extra personal protection: chemical protection suit including self-contained breathing apparatus.)	Fireproof if in building. Cool.	R: S: UN Hazard Class: 2.2	

	Boiling Point: -64°C Melting Point : -51°C Specific Gravity: 1.68
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Physical Properties	Vapor Pressure: 16548 mmHg @ 20C Solubility in Water: Slightly Soluble Solvent Solubility: Soluble in alcohol, ether, potassium hydroxide, transformer oil. Insoluble in hydrochloric acid, ammonia. Vapor Density: 5.1
Physical Dangers	The gas is heavier than air and may accumulate in low ceiling spaces causing deficiency of oxygen.
Chemical Dangers	The substance decomposes on heating above 500°C producing toxic and corrosive fumes including sulfur oxides, fluorine compounds.
Routes of Exposure	The substance can be absorbed into the body by inhalation.
Inhalation Risk	A harmful concentration of this gas in the air will be reached very quickly on loss of containment.
Effects of Short Term Exposure	Rapid evaporation of the liquid may cause frostbite.
Applicability	Leland produces and ships many gas filled cylinders and the content (type of gas) is identified on the cylinder label, cylinder box, or shipping carton. ORM-D is a shipping label relating to a gas type which has been re-named as Consumer Commodity as allowed per 49 CFR 173.306.