



METHANESULFONYL FLUORIDE

Other Names: Fumette
MSF

- WARNING!** ● **POISON! BREATHING THE VAPORS, SWALLOWING THE MATERIAL OR SKIN CONTACT CAN KILL YOU!**
- Firefighting gear (including SCBA) provides **NO** protection. If exposure occurs, remove and isolate gear immediately and thoroughly decontaminate personnel

Hazards: <ul style="list-style-type: none">● Vapors are heavier than air and will collect and stay in low areas● Irritating to skin, eyes, nose and lungs even at low concentrations● Container may BLEVE when exposed to fire● Combustion and decomposition products upon heating include toxic hydrogen fluoride and sulfur oxides	Description: <ul style="list-style-type: none">● Clear colorless liquid● No odor found● Slightly soluble in water● Flammable● Vapors are heavier than air and will collect and stay in low areas
Awareness and Operational Level Training Response: <ul style="list-style-type: none">● Do not put yourself in danger by entering a contaminated area to rescue a victim● Stay upwind and uphill● Determine the extent of the problem● Isolate the area of release or fire and deny entry● For container exposed to fire evacuate the area in all directions because of the risk of BLEVE● Evacuate or shelter in place the immediate area and downwind for a large release● Notify local health and fire officials and pollution control agencies● If material or contaminated runoff enters waterways, notify downstream users of potentially contaminated water	Operational Level Training Response: <p>RELEASE, NO FIRE:</p> <ul style="list-style-type: none">● Stop the release if it can be done safely from a distance● Prevent material and runoff from entering sewers and waterways if it can be done safely well ahead of the release● Use large amounts of water to disperse vapors - contain runoff● Consider the application of alcohol resistant (AFFF) foam to spilled liquid to control vapors● Ventilate confined area if it can be done without placing personnel at risk <p>FIRE:</p> <ul style="list-style-type: none">● Approach fire with extreme caution; consider letting fire burn● Material does not easily burn; fight surrounding fire with an agent appropriate for the burning material● Cool exposed containers with large quantities of water from unattended equipment or remove intact containers if it can be done safely● If cooling streams are ineffective (venting sound increases in volume and pitch, tank discolors or shows any signs of expanding), withdraw immediately to a secure location

First Aid:

- **Do not put yourself in danger by entering a contaminated area to rescue a victim**
- Provide Basic Life Support/CPR as needed
- Decontaminate the victim as follows:
 - ◆ Inhalation - remove the victim to fresh air and give oxygen if available
 - ◆ Skin - remove and isolate contaminated clothing (including shoes) and wash skin with soap and large volumes of water for 15 minutes
 - ◆ Eye - rinse eyes with large volumes of water or saline for 15 minutes
 - ◆ Swallowed - do not make the victim vomit
- Seek medical attention
- Toxic effects may be delayed
- For skin burns decontaminate with water and apply a clean dry dressing
- Note to physician: material is a cholinesterase inhibitor; if symptoms indicate, initial antidote is atropine. Hydrofluoric acid burns can be treated with calcium gluconate gel

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