



XI'AN FUNCTION MATERIAL GROUP CO., LTD
Material Safety Data Sheet
Antimony(III) fluoride

1. Product and Company Information

Trade Name: Antimony(III) fluoride
Chemical Formula: SbF_3
Manufacturer/Supplier: XI'AN FUNCTION MATERIAL GROUP CO., LTD
Street: No. 69, Gazelle Valley, High-Tech Zone
City: XI'AN
State: Shannxi
Zip Code: 710077
Country: China
Tel #: +86-29-88993870/+86-13519132051

2. Hazards Identification

Signal Word: Danger



Hazard Statements:
H301 - Swallowing can be toxic
H311 - Toxic by skin contact
H314 - Causes severe skin burns and eye damage
H331 - toxic by inhalation
H411 - Is toxic to aquatic organisms and has long-lasting effects

Precautionary Statements:
P264 - Wash face, hands and any contact skin thoroughly after operation
P270 - Do not eat, drink or smoke while using this product
P271 - Only use outdoors or in a well-ventilated place
P280 - Wear protective gloves/suits/goggles/masks.
P303 + P361 + P353 - In case of skin (or hair) contamination: remove all contaminated clothing immediately. Wash your skin/shower with water
P304 + P340 - If inhaled: move client to fresh air for rest and maintain comfortable breathing position.
P305 + P351 + P338 - If into the eye: Rinse with water carefully for several minutes. Remove contact lenses if present and easy to do. Continue to rinse
P310 - Call the detoxification center or doctor immediately.
P330 - gargle
P331 - do not induce vomiting
P363 - contaminated clothes can be reused after being cleaned
P403 + P233 - Store in a well ventilated area. Keep container closed
P405 - The storage must be locked
P501 - Dispose of contents/containers as per applicable waste disposal site

3. Composition

Antimony(III) fluoride (SbF_3):
Percentage: 100 wt%
CAS #: 7783-56-4
EC #: 232-009-2

4. First Aid Procedures

General Treatment:	Seek medical attention if symptoms persist.
Special Treatment:	None
Important Symptoms:	None
Inhalation:	Leave the exposed area and lie down. Move to fresh air. If breathing becomes difficult, provide oxygen. If breathing stops, give artificial respiration. Immediate treatment is required.
Ingestion:	Do not induce vomiting. Call a doctor immediately. Clean your mouth with water.
Skin:	Wash immediately with soap and plenty of water and remove all contaminated clothing and shoes. Immediate medical attention is required.
Eyes:	Require immediate treatment. Immediately flush with plenty of water for at least 15 minutes, including under the eyelids.

5. Fire and Explosion Hazards Data

Flash Point:	N/A
Autoignition Temperature:	N/A
Extinguishing Media:	Water sprays - Carbon dioxide (CO ₂) - Dry chemicals - chemical foams.
Spec. Fire Fighting Procedure:	Wear MSHA/NIOSH (approved or equivalent) pressure required self-contained breathing apparatus and full protective equipment in any fire.

6. Accidental Release Measures

If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in special protection information. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for disposal. Take care not to raise dust.
Environmental Precautions:	Do not flush into surface water or sewage disposal systems. Do not discharge into the environment. Prevent leakage from contaminating groundwater systems.

7. Handling and Storage

Handling Conditions:	Wash thoroughly after handling.
Storage Conditions:	Store in a dry, cool and well-ventilated place. Keep container airtight. Corrosive area. Store in an inert atmosphere.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with compressed air.

8. Exposure Controls / Personal Protection

Permissible Exposure Limits:	(Vacated) TWA: 0.5 mg/m ³ (Vacated) TWA: 2.5 mg/m ³
Threshold Limit Value:	TWA: 0.5 mg/m ³ TWA: 2.5mg/m ³
Special Equipment:	None
Respiratory Protection:	Dust respirator, NIOSH approved
Protective Gloves:	Rubber gloves
Eye Protection:	Safety glasses/goggles
Body Protection:	Protective work clothing. Wear close-toed shoes and long sleeves/pants.

9. Physical and Chemical Characteristics

Color	Off-white
Form:	Powder, granules
Odor:	Odorless
Water Solubility:	3850 g/l (20 °C)
Boiling Point:	376 °C
Melting Point:	292 °C
Density:	4.38 g/cc
Molecular weight:	178.75 g/mol

10. Reactivity

Stability:	May react with metals and lead to the formation of flammable hydrogen gas.. Hygroscopicity. Stable under normal conditions.
Reacts With:	N/A
Incompatible Conditions:	Contact with moist air or water.
Hazardous Decomposition Products:	Hydrogen fluoride gas. Antimony oxide. Antimony.

11. Toxicological Information

Potential Health Effects:	
Eyes:	N/A
Skin:	N/A
Ingestion:	N/A
Inhalation:	N/A
Chronic:	N/A
Routes of Entry:	None
Target Organs:	N/A
Signs and Symptoms of Exposure:	N/A
Medical Conditions Aggravated by Exposure:	N/A
Median Lethal Dose:	804 mg/kg (Mouse)
Carcinogen:	N/A

12. Ecological Information

Aquatic Toxicity:	Toxic to aquatic organisms and may cause long-term adverse effects on the aquatic environment.
Persistent Bioaccumulation Toxicity:	Contains heavy metals.Prevent release into the environment.Special pretreatment is required.
Very Persistent, Very Bioaccumulative:	May be some potential biological accumulation
Notes:	The product is soluble in water and may spread in the water system. Due to its water-solubility, it may migrate in the environment and have high mobility in the soil

13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

14. Transportation Data

Hazardous: Hazardous for transportation



Hazard Class:	8
Packing Group:	II
UN Number:	UN2923
Proper Shipping Name:	Corrosive solids, toxic, no other description

15. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised: 03/22/2017