

XI'AN FUNCTION MATERIAL GROUP CO., LTD

Material Safety Data Sheet Sodium Fluoride

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1. Prod	iuci and	Company	Identification

Trade Name: Sodium fluoride

Chemical Formula: NaF

Recommended Use: Scientific research and development

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: Toxic if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

Precautionary Statements: P280: Wear protective gloves/protective clothing/eye protection/face

protection

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER

or doctor/physician

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do –

continue rinsing

P362: Take off contaminated clothing and wash before reuse

P405: Store locked up

P501: Dispose of contents/container in accordance with

local/regional/national/international regulations

HMIS Health Ratings (0-4):

Health: 3
Flammability: 0
Physical: 1

3. Composition			
Chemical Family:	Salt		
Additional Names:	Florocid		
Sodium fluoride (NaF):			
Percentage:	100 wt%		
CAS #:	7681-49-4		
EC #:	231-667-80		
	4. First Aid Procedures		
General Treatment:	Seek medical attention if symptoms persist.		
Special Treatment:	None		
Important Symptoms:	None		
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.		
Ingestion:	Seek medical attention.		
Skin:	Wash affected area with mild soap and water. Remove any		
Even	contaminated clothing. Flush eyes with water, blinking often for several minutes. Remove		
Eyes:	contact lenses if present and easy to do. Continue rinsing		
	5. Firefighting Measures		
Flammability:	Non-flammable		
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for surrounding material and type of fire.		
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. See section 10 for decomposition products.		
	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:	Isolate runoff to prevent environmental pollution.		
	7. Handling and Storage		
Handling Conditions:	Wash thoroughly after handling.		
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store apart from		
	materials and conditions listed in section 10.		
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.		
Ventilation:	Provide sufficient ventilation to maintain concentration at or below		
	threshold limit.		

8. Exposure Controls and Personal Protection

Permissible Exposure Limits: 2.5 mg/m³ as F, long-term value Threshold Limit Value: 2.5 mg/m³ as F, long-term value

Special Equipment: None

Respiratory Protection: Use a respirator with type P100 (USA) or P3 (EN143) cartridges as a

backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government

standards.

Protective Gloves: Nitrile rubber, NBR 0.11mm thick.

Eye Protection: Safety glasses or goggles

Body Protection: Protective work clothing. Wear close-toed shoes and long

sleeves/pants.

9. Physical and Chemical Characteristics

Color White Form: Powder Odor: Odorless Water Solubility: 40 g/l1704 °C **Boiling Point:** 993 °C Melting Point: Flash Point: N/A Autoignition Temperature: N/A Density: 2.78 g/cc Molecular weight: 41.99 g/mol

10. Reactivity

Stability: Stable under recommended storage conditions

Reacts With: Acids

Incompatible Conditions: Water/moisture

Hazardous Decomposition Products: Hydrogen fluoride, Sodium oxide

11. Toxicological Information

Potential Health Effects:

Eyes: Causes serious eye damage
Skin: Causes skin irritation
Ingestion: May cause irritation
Inhalation: May cause irritation

Chronic: N/A

Signs & Symptoms: N/A
Aggravated Medical Conditions: N/A

Median Lethal Dose: 31 mg/kg for rat by mouth

Carcinogen: ACGIH A4: Not classifiable as a human carcinogen: Inadequate data

on which to classify the agent in terms of its carcinogenicity in humans

and/or animals.

12. Ecological Information

Aquatic Toxicity: Low Persistent Bioaccumulation Toxicity: No Very Persistent, Very Bioaccumulative: No Notes: N/A

13. Disposal Considerations

Dispose of in accordance with local, state, national, and international regulations.

14. Transportation Data

Hazardous: Hazardous



Hazard Class: 6.1 Toxic substances

Packing Group: III UN Number: UN1690

Proper Shipping Name: Sodium fluoride, solid

15. Regulatory Information

Sec 302 Extremely Hazardous:

Sec 304 Reportable Quantities:

N/A

Sec 313 Toxic Chemicals:

No

16. 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.

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