MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

Sodium Fluoride *Code Nr.* **6550**

2. HAZARDOUS INGREDIENTS

NAME	*CAS #*	*TSCA #*	*%*	*PEL*	*TLV*
Sodium Fluoride	7681-49-4		>99	2.5 mg/cubic m as F	2.5 mg/cubic m as F

3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	*CAS #*	*%*
None		

4. PHYSICAL DATA

Appearance: White Powder

Solubility in Water: Soluble | *Odor:* None | *Boiling Point:* N/A | *Melt. Point:* 993 deg C

Vapor Pressure: N/A | *Vapor Density:* N/A | *pH:* 9 (0.1g in 10mL water)

5. FIRE AND EXPLOSION DATA

Flash Point (method used) N/A | *Flammable Limit: LEL:* N/A | *UEL:* N/A

Extinguishing Media: Not a fire hazard

HMIS Hazard: Health - 2 *Flammability -* 0 *Reactivity -* 0 *Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least*

Special Fire Fighting Procedures:
N/A

Unusual Fire & Explosion Hazard:
Emits toxic fumes under fire conditions.

6. REACTIVITY DATA

Stability:
☒ *Stable*
☐ *Unstable*

Conditions to avoid: Heat, moisture

Incompatibility (Materials to avoid):
Strong acids

Hazardous Decomposition Products: Contact with strong acids forms toxic hydrofluoric acid,toxic HF vapor(gas)

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: 52 mg/kg for sodium fluoride (toxic)

Primary Route of Entry: ☒ *Inhalation* ☒ *Skin* ☒ *Ingestion* ☐ *N/A*

Carcinogenicity: ☒ *None* ☐ *NTP* ☐ *OSHA* ☐ *IARC*

Other Health Related Comments:

Target Organs: Gastro-Intestinal System, Kidney, Skin, Teeth, Central Nervous System

Signs and symptoms of exposure:
Toxic by ingestion. Irritating to eyes and skin.

Medical Condition Aggravated by Exposure: N/A

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes. Consult physician.

Ingestion: Rinse out mouth. Drink water. Induce vomiting. Get medical attention immediately!

Inhalation:
Remove to fresh air. If breathing is difficult give oxygen.

Skin Contact:
Flush with water for 15 minutes while removing affected clothing. Wash skin with soap & water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak:
Sweep up carefully. Avoid breathing dust. Collect and hold in non-glass container for disposal as hazardous waste. Wash spill area with water.

Disposal:
Small quantity: Carefully dissolve in large volume of water and flush to drain with excess water. Large quantity: Dispose of as hazardous waste according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: ☒ *Gloves* ☒ *Eye Protection* ☐ *N/A* ☒ *Other:* Lab Coat

Ventilation ☐ *Normal* ☒ *Mechanical* ☐ *Respiratory Protection*

Work/Hygienic Practices: Avoid contact with skin & inhalation of dust. Wash after handling.

11. SPECIAL PRECAUTIONS

Store in cool, dry place in non-glass container.

DATE: 12/28/04

The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

^ This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.