

# Material Safety Data Sheet

## Provided by:

DPC Industries, Inc.      DX Distributors, Inc.  
DPC Enterprises          DX Systems Company  
DXI Industries, Inc.      DX Terminals

PO Box 24600  
Houston, Tx 77229-4600  
281-457-4888  
888-647-7717  
www.dxgroup.com

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name**      SODIUM FLUORIDE

### Synonyms

**Chemical Name**      SODIUM FLUORIDE

**Emergency phone:**    281-457-4888

**Date of Issue:**      10/1/00

**Chemtrec:**            800-424-9300

**Revised Date:**      N/A

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
SODIUM FLORIDE	> 99%	7681-49-4

## SECTION 3 - HAZARDS IDENTIFICATION

### Potential Health Effects

**ACGIH - TLV:**      2.5 mg/cu m (as F)

**Eye Contact**      CONTACT MAY CAUSE EYE IRRITATION AND POSSIBLE BURNS.

**Skin Contact**      CONTACT MAY CAUSE SKIN IRRITATION AND POSSIBLE BURNS.

**Ingestion**      CORROSIVE AND MAY CAUSE SEVERE AND PERMANENT DAMAGE TO MOUTH, THROAT AND STOMACH.

**Inhalation**      PROLONGED OR EXCESSIVE INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION AND BURNS.

**Carcinogenicity:**    *NTP* NO    *IARC* NO    *OSHA* NO

## SECTION 4 - FIRST AID PROCEDURES

**Eye Contact:**      IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

**Skin Contact:**      IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.

**Inhalation:**      REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

**Ingestion:**      DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point**      NOT APPLICABLE

**Extinguishing Media**    USE MEDIA APPROPRIATE FOR SURROUNDING AREA.

**Special Firefighting  
Procedures/Precuations**

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. STAY UPWIND AND KEEP OUT OF LOW AREAS.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**For Spill:** EVACUATE AREA PERSONNEL. ISOLATE SPILL AREA. CAREFULLY SHOVEL MATERIAL AND PLACE IN CONTAINERS FOR DISPOSAL.

**SECTION 7 - HANDLING AND STORAGE**

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

INFECTIOUS MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET/ROOM. AVOID BREATHING DUST OR MIST.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Respiratory Protection** USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS.
- Ventilation** LOCAL AND MECHANICAL RECOMMENDED.
- Protective Gloves** CHEMICAL IMPERVIOUS GLOVES.
- Eye/Face Protection** CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.
- Other Protection** CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.
- Work Practices** USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- |   |                                  |                |
|---|----------------------------------|----------------|
| <b>Boiling Point (°F):</b> > 1000                             | <b>Vapor Pressure (mmHg):</b>    | NIL            |
| <b>Freezing Point (°F):</b> NOT APPLICABLE                    | <b>Vapor Density (Air=1):</b>    | NOT APPLICABLE |
| <b>Solubility (H2O):</b> SLIGHTLY                             | <b>Specific Gravity (H2O=1):</b> | 2.78           |
| <b>pH</b>   | <b>Evaporation Rate:</b>         | NOT DETERMINED |
| <b>Appearance/Odor:</b> WHITE SOLID WITH NO APPRECIABLE ODOR. |                                  |                |

**SECTION 10 - STABILITY AND REACTIVITY**

- Chemical Stability:** YES
- Incompatible Materials** STRONG ACIDS AND EXTREMELY HIGH TEMPERATURES.
- Decomposition Products** WHEN HEATED, CAN PRODUCE NITROGEN OXIDES AND FLUORINE.
- Hazardous Polymerization:** WILL NOT OCCUR.

**SECTION 11 - TOXICITY INFORMATION**

LD50 ORAL (mouse) = 57 mg/kg LD50 IP (rat) = 22 mg/kg LD50 IV (rat) = 12 mg/kg

**SECTION 12 - ECOLOGICAL INFORMATION**

NO DATA AVAILABLE.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

**SECTION 14 - TRANSPORT INFORMATION**

**USA DOT Shipping Name:** SODIUM FLUORIDE

**Hazard Class:** 6.1

**UN/NA Number:** UN1690

**Packing Group:** III

**Subsidiary Hazard**

**Marine Pollutant:** NO

**SECTION 15 - REGULATORY INFORMATION**

**CERCLA RQ (lbs):** 1000

**SARA Title III Section 312:**

**Acute**     **Chronic**     **Flammable**     **Sudden Release of Pressure**     **Reactive**

**SARA Title III Section 313:** No

**SARA Extremely Hazardous Substance:** No

**HMIS HAZARD RATING**

**Health:** 3                      **Fire:** 0                      **Reactivity:** 1

**0 - Least    1 - Slight    2 - Moderate    3 - High    4 - Extreme**

**SECTION 16 - OTHER INFORMATION**

**EPA Pesticide Registration Number:** NOT APPLICABLE

**NSF Maximum Use Level for Potable Water (Standard 60):** NOT APPLICABLE

**TSCA (Toxic Substance Control Act), 40 CFR 710:**

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

**DISCLAIMER**

THE DATA PRESENTED IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF; HOWEVER, NEITHER SELLER NOR PREPARER MAKES ANY WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE INFORMATION PRESENTED. THE USER IS CAUTIONED TO PERFORM HIS OWN HAZARD EVALUATION AND TO RELY UPON HIS OWN DETERMINATIONS.