

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 SILICOFLUORIDE
Synonyms SODIUM FLUOROSILICATE
Chemical Name SODIUM SILICOFLUORIDE

Emergency phone: 281-457-4888
Chemtrec: 800-424-9300

Date of Issue: 10/01/00
Revised Date: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
SODIUM HEXAFLUOROSILICATE	95%-99%	16893-85-9

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: 2.5 mg/cu. M

Eye Contact CONTACT MAY CAUSE EYE IRRITATION.

Skin Contact MAY CAUSE SKIN IRRITATION.

Ingestion MAY CAUSE ABDOMINAL PAIN, DIARRHEA, VOMITING, EXCESS SALIVATION, THIRST, PERSPIRATION AND PAINFUL SPASMS OF THE LIMBS. MAY BE FATAL IN SEVERE CASES.

Inhalation MAY CAUSE RESPIRATORY TRACT IRRITATION AND NAUSEA.

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 SELECT MEDIA FOR SURROUNDING MATERIALS.

**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: CLEAN SPILLS USING DUSTLESS METHOD. IF SWEEPING EMPLOYED USE RESPIRATORY PROTECTION.

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.

STORE IN CLOSED BIN OR CONTAINER IN DRY AREA AWAY FROM HEAT OR OPEN FLAME. KEEP AWAY FROM FOODSTUFFS OR FOOD ITEMS. DO NOT STORE NEAR INCOMPATIBLE MATERIALS.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED.

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

Boiling Point (°F): NOT APPLICABLE **Vapor Pressure (mmHg):** NOT APPLICABLE

Freezing Point (°F): NOT APPLICABLE **Vapor Density (Air=1):** NOT APPLICABLE

Solubility (H2O): 0.652 @17C **Specific Gravity (H2O=1):** 2.679

pH 6.5 - 7.5 **Evaporation Rate:** NOT DETERMINED

Appearance/Odor: SOLID, WHITE POWDER OR GRANULES WITH NO APPRECIABLE ODOR.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: YES

Incompatible Materials STRONG ACIDS OR ALKALINE MATERIALS. AVOID CONTACT WITH IRON CONTAINING MATERIALS.

Decomposition Products HYDROGEN FLUORIDE GAS AND OTHER FLUORIDE COMPOUNDS RELEASED UPON DECOMPOSITION.

Hazardous Polymerization: WILL NOT OCCUR.

SECTION 11 - TOXICITY INFORMATION

ACUTE LETHAL ORAL TOXICITY FOR RATS IS APPROXIMATELY 125 MG/KG OF BODY WEIGHT.

SECTION 12 - ECOLOGICAL INFORMATION

FLUORIDES CAN BE HIGHLY TOXIC TO AQUATIC AND TERRESTRIAL FLORA AND FAUNA. CARE SHOULD BE TAKEN TO PREVENT MATERIAL FROM ENTERING ENVIRONMENT.

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 FLUOROSILICATE

Hazard Class: 6.1

UN/NA Number: UN2674

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: 2 **Fire:** 0 **Reactivity:** 0

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.