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Material Safety Data Sheet

Transportation Emergency: 1-800-451-8346

Date last revised: October 18, 2011

Date printed: October 18, 2011

SECTION 1. ----- CHEMICAL IDENTIFICATION -----

CATALOG #: M011-2-06
NAME: SODIUM HEXAFLUOROSILICATE

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CAS NUMBER: 16893-85-9
MOLECULAR FORMULA: F_6Na_2Si
MOLECULAR WEIGHT: 188.06

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

TOXIC.
TOXIC IF SWALLOWED, ABSORBED THROUGH SKIN, OR IF SWALLOWED.
IRRITANT.
CAUSES SKIN AND SEVERE EYE IRRITATION.
SEE SECTION 11 FOR ADDITIONAL INFORMATION.

SECTION 4. ----- FIRST-AID MEASURES -----

ORAL EXPOSURE

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CONSULT A PHYSICIAN.

INHALATION EXPOSURE

IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.

DERMAL EXPOSURE

WASH OFF WITH SOAP AND PLENTY OF WATER. TAKE VICTIM IMMEDIATELY TO HOSPITAL. CONSULT A PHYSICIAN.

EYE EXPOSURE

IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CONSULT A PHYSICIAN.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.
FIREFIGHTING

PROTECTIVE EQUIPMENT: WEAR SELF-CONTAINED BREATHING APPARATUS
AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

SPECIFIC HAZARD(S): EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

WEAR PROTECTIVE EQUIPMENT.

METHODS FOR CLEANING UP

ABSORB ON INERT MATERIAL, SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE
DISPOSAL. AVOID RAISING DUST OR BREATHING FUMES. VENTILATE AREA AND WASH
SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. DISCHARGE INTO THE ENVIRONMENT
MUST BE AVOIDED

SECTION 7. ----- HANDLING AND STORAGE-----

HANDLING

USER EXPOSURE: AVOID INHALATION. AVOID CONTACT WITH EYES, SKIN,
AND CLOTHING. AVOID PROLONGED OR REPEATED EXPOSURE.

STORAGE

SUITABLE: KEEP TIGHTLY CLOSED.

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

ENGINEERING CONTROLS

MECHANICAL EXHAUST REQUIRED.

PERSONAL PROTECTIVE EQUIPMENT

OTHER: WEAR APPROPRIATE GOVERNMENT APPROVED RESPIRATOR,
CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE
CLOTHING.

GENERAL HYGIENE MEASURES

WASH THOROUGHLY AFTER HANDLING.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE

SOLID

PHYSICAL PROPERTIES

DENSITY:	2.679 g/mL @ 20 °C
pH:	3.0 - 4.0 at 50 g/L at 20 °C (68 °F)
WATER SOLUBILITY:	INSOLUBLE

SECTION 10. -----STABILITY AND REACTIVITY -----

STABILITY

STABLE: STABLE.

HAZARDOUS DECOMPOSITION PRODUCTS

HYDROGEN FLUORIDE, SILICON OXIDE HAZARDOUS

POLYMERIZATION

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ROUTE OF EXPOSURE

SKIN CONTACT: CAUSES SKIN IRRITATION

SKIN ABSORPTION: TOXIC IF ABSORBED THROUGH SKIN.

EYE CONTACT: CAUSES SEVERE EYE IRRITATION. RISK OF SEVERE EYE DAMAGE.

INHALATION: TOXIC IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION.

INGESTION: TOXIC IF SWALLOWED.

SIGNS AND SYMPTOMS OF EXPOSURE

A DOSE OF ABOUT 1 GRAM CAN CAUSE NAUSEA, BURNING SENSATION, SORES IN THE MOUTH, LESIONS OF THE THROAT, SORES IN THE DIGESTIVE TRACT, TREMORS, CONVULSIONS, SHOCK. DEATH MAY RESULT FROM INGESTION OF TWO TO FIVE GRAMS. PROLONGED OR REPEATED EXPOSURE MAY CAUSE INCREASED BONE DENSITY, CALCIUM DEPOSITS IN THE LIGAMENTS, NEW BONE GROWTH, VOMITING, DIARRHOEA, AND ABDOMINAL PAIN. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

TOXICITY TO FISH:

LC50 - LEPOMIS MACROCHIRUS - 49 mg/L - 96 H

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER

SECTION 14. ----- TRANSPORT INFORMATION -----

DOT

UN2674 - HC 6.1 - PG III

SECTION 15. ----- REGULATORY INFORMATION -----

EU ADDITIONAL CLASSIFICATION

RISK STATEMENTS: R23/24/25, R36/37/38, R51

SAFETY STATEMENTS: S24/25, S29/56, S36/37/39, S46, S61

US CLASSIFICATION AND LABEL TEXT

US STATEMENTS: TOXIC BY INHALATION. TOXIC BY INGESTION. TOXIC BY SKIN ABSORPTION. IRRITANT.

CAUTION: AVOID CONTACT AND INHALATION.

UNITED STATES REGULATORY INFORMATION

TSCA INVENTORY ITEM: YES.

SECTION 16. ----- OTHER INFORMATION-----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SYNQUEST LABS, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.