

**GFS CHEMICALS, INC.**

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**MATERIAL SAFETY DATA SHEET**

1298

**AMMONIUM HEXAFLUOROPHOSPHATE**

**CHEMICAL NAME & SYNONYMS**

Ammonium hexafluorophosphate

**DOT CLASS**

NR

**SARA TITLE 313**

No

**FORMULA**

NH<sub>4</sub>PF<sub>6</sub>

**F.W.**

163.02

**CAS#**

16941-11-0

**PHYSICAL DATA**

Water soluble (may give off heat). Density 2.18

**APPEARANCE & ODOR**

White to off-white crystals and powder. Odorless

**REACTIVITY & CONDITIONS TO AVOID**

Stable, no hazardous self-reactivity. Incompatible with strong acids or strong bases.

**FIRE HAZARDS**

Will decompose in general fire yielding hazardous fumes of fluorine, ammonia, NO<sub>x</sub> or PF<sub>x</sub>.

**EXTINGUISHER**

Do not use water. fight surrounding fire.

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

Irritating to skin, eyes and mucous membranes. Consider toxic by all routes. LD/TD no data. PEL 2.5mg/m<sup>3</sup>(F), 50ppm (NH<sub>3</sub>). Chronic effects due to fluoride are generally due to fixation of calcium. Damage to teeth and bones results. Ingestion may cause nausea, vomiting, diarrhea and abdominal pain. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Wear goggles or full face protection, rubber gloves and protective clothing. Use only with adequate ventilation or suitable respirator.

**FIRST AID**

Wash skin and eyes thoroughly with water after contact. Get medical attention for eyes. For skin contact, apply calcium gluconate salve. If irritation occurs, see a physician. If swallowed, give water with calcium-containing antacid such as Tums or milk to drink and induce vomiting. See a physician.

**SPILLS & LEAKS**

Wash up spill with water. After treatment with lime or calcium chloride, dispose to sanitary drain.

**CATALOG #**

1298

**PREPARED BY**

LCM

**DATE**

5/1/96