

CRYOLITE**1565**
April 2005CAS No: 15096-52-3
RTECS No: WA9625000
EC No: 009-016-00-2Aluminium trisodium fluoride
Sodium fluoaluminate
Sodium aluminium fluoride
Sodium hexafluoroaluminate
Na₃AlF₆
Molecular mass: 209.9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Nausea. Vomiting.	Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves.	Rinse and then wash skin with water and soap.
Eyes		Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Nausea. Vomiting. Abdominal pain.	Do not eat, drink, or smoke during work.	Rinse mouth. Give plenty of water to drink.

SPILLAGE DISPOSAL

Personal protection: P2 filter respirator for harmful particles. Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Do NOT let this chemical enter the environment.

PACKAGING & LABELLINGT Symbol
N Symbol
R: 20/22-48/23/25-51/53
S: (1/2-)22-37-45-61
Note: C

Do not transport with food and feedstuffs.

EMERGENCY RESPONSE**SAFE STORAGE**

Separated from food and feedstuffs. Well closed. Store in an area without drain or sewer access.

IMPORTANT DATA**Physical State; Appearance**

CRYSTALS OR AMORPHOUS POWDER.

Occupational exposure limits

TLV: (as Fluoride) 2.5 mg/m³ as TWA; A4 (not classifiable as a human carcinogen); BEI issued; (ACGIH 2005).
MAK: (as Fluoride) (Inhalable fraction) 1 mg/m³; Peak limitation category: II(4); skin absorption (H); Pregnancy risk group: C; (DFG 2005).

Routes of exposure

The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

Inhalation risk

A harmful concentration of airborne particles can be reached quickly when dispersed, especially if powdered.

Effects of long-term or repeated exposure

The substance may have effects on the bones and teeth, resulting in fluorosis. Lungs may be affected by repeated or prolonged exposure to dust particles.

PHYSICAL PROPERTIES

Melting point: 1009/C
Density: 2.95 g/cm³

Solubility in water, g/100 ml at 25/C: 0.042 (very poor)

ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms.

NOTES

Card has been partly updated in October 2005. See section Occupational Exposure Limits.

ADDITIONAL INFORMATION**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information