



Central Pollution Control Board

Ministry of Environment & Forests, Govt of India, Parivesh Bhawan, East Arjun Nagar, Delhi - 110032

MATERIAL SAFETY DATA SHEETS

279

Fluoroacetic acid amides

1. CHEMICAL IDENTITY

Chemical Name : Fluoroacetic acid amides

Chemical Classification: Toxic

Trade Name :

Synonyms: Fluoroacetic acid amide, 2-Fluoroacetamide

Formula : C₂H₄FNO

CAS No: 640-19-7

UN No: 2811

Regulated Identification

Shipping Name :

Hazchem Code : 2X

Codes / Label : Class 6.1, Toxic

Hazardous Waste ID No :

HAZARDOUS INGREDIENTS	C.A.S. No.	HAZARDOUS INGREDIENTS	C.A.S. No.
1 Fluoroacetic acid amides	640-19-7	3	
2		4	

2. PHYSICAL / CHEMICAL DATA

Boiling Pt. °C: 259

Physical State: Solid

Appearance: Colourless crystalline powder.

Melting Pt °C: 119

Vapour Pressure @ 35°C mmHg: 0.013 (25 deg C)

Odour:

Vapour Density(Air =1):

Solubility in water at 30°C g/100ml: Very soluble

Others:

Specific Gravity (Water =1):

pH :

3. FIRE / EXPLOSION HAZARD DATA

Flammability :

LEL:

Flash Point °C in OC: 110

TDG Flammability:

UEL:

Flash Point °C in CC:

Autoignition Temperature °C :

Explosion sensitivity to impact:

Explosion sensitivity to static Electricity:

Hazardous Combustion Products : Fire may produce irritating, corrosive and/or toxic gases.

Hazardous Polymerization :

Combustible Liquid:

Explosive Material:

Corrosive Material

Flammable Material:

Oxidiser :

Others:

Pyrophoric Material:

Organic Peroxide :

4. REACTIVITY DATA

Chemical Stability : Stable under normal temperatures and pressures.

Incompatibility with other material : Oxidizing agents.

Reactivity :

Hazardous Reaction Products : Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen fluoride, nitrogen.

5. HEALTH HAZARD DATA

Routes of entry: Inhalation, ingestion, skin and eyes

Effects of Exposure / Symptoms:

Inhalation : May cause respiratory tract irritation. Ingestion : May be fatal if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause alopecia (loss of hair). Human fatalities have been reported from acute poisoning. May produce convulsions, and coma. Skin : May cause skin irritation. May be absorbed through the skin. Eye : May cause eye irritation.

Emergency Treatment :

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth respiration

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Ingestion: Never give anything by mouth to an unconscious person. Induce vomiting by giving one teaspoon of syrup of Ipecac. If conscious drink water, then induce vomiting. If unconscious, immediately take victim to a physician and do not attempt to induce vomiting.

LD50 (oral-rat) mg/kg: 4 to 15 mg/kg

STEL:

LC50 (rat) mg/kg:

Odour Threshold:

Permissible Exposure Limit:

TLV (ACGIH) :

NFPA Hazard	Health	Flammability	Reactivity	Special
Signals	3	0	0	

6. PREVENTIVE MEASURES

Personal Protective Equipment : Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

Handling : Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage : Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Poison room locked.

Precautions :

7. EMERGENCY / FIRST AID MEASURES

FIRE:

Fire Extinguishing Media : Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Special Procedure :

Unusual Hazards : During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

EXPOSURE: First Aid Measures:

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-

to-mouth respiration

Skin: Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Ingestion: Never give anything by mouth to an unconscious person. Induce vomiting by giving one teaspoon of syrup of Ipecac. If conscious drink water, then induce vomiting. If unconscious, immediately take victim to a physician and do not attempt to induce vomiting.

Antidotes / Dosages:

SPILLS :

Steps To Be Taken : Clean up spills immediately, using the appropriate protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Waste Disposal Method:

8. ADDITIONAL INFORMATION / REFERENCES

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM :	Contact person
MAILING ADDRESS :	in Emergency :
TELEPHONE / TELEX NOS :	Local Bodies involved :
TELEGRAPHIC ADDRESS :	Standard Packing :
OTHERS :	Trem Card Details / Ref :

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