

Safety Data Sheet for 2-Fluorodeschloroketamine (2-FDCK)

1. Identification of the Substance

- **Substance Name:** 2-Fluorodeschloroketamine (2-FDCK)
- **Chemical Formula:** C₁₃H₁₆FNO
- **CAS Number:** 111982-50-4 (best available estimate; verify for accuracy)
- **Intended Use:** Research chemical
- **Supplier:** Novel Science Shop, 32 N Gould St, Sheridan, WY 82801, United States

2. Hazard Identification

- **Classification:** This substance is classified as hazardous.
- **Hazard Statements:**
 - H302: Harmful if swallowed.
 - H315: Causes skin irritation.
 - H319: Causes serious eye irritation.
 - H335: May cause respiratory irritation.
- **Precautionary Statements:**
 - P280: Wear protective gloves/protective clothing/eye protection/face protection.
 - P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 - P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

3. Composition/Information on Ingredients

- **Substance:** 2-Fluorodeschloroketamine (2-FDCK)
- **Purity:** 98% or as provided by supplier.

4. First-Aid Measures

- **Inhalation:** Move to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth and seek medical attention if you feel unwell.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

- **Fire Hazards:** May emit toxic fumes when heated.
- **Protection for Firefighters:** Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment (PPE).
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Avoid discharge into the environment.
- **Cleanup:** Collect and place in suitable, closed containers for disposal. Avoid creating dust.

7. Handling and Storage

- **Handling:** Handle in a well-ventilated area, avoid breathing dust. Use personal protective equipment as required.
- **Storage:** Store in a cool, dry, and well-ventilated area. Keep container tightly closed. Avoid direct sunlight and heat sources.

8. Exposure Controls/Personal Protection

- **Engineering Controls:** Use appropriate engineering controls such as fume hoods or localized exhaust ventilation to control airborne levels.
- **PPE:**
 - Respiratory: NIOSH-approved respirator.
 - Hand Protection: Chemical-resistant gloves.
 - Eye Protection: Safety goggles.
 - Skin and Body Protection: Protective clothing.

9. Physical and Chemical Properties

- **Appearance:** White to off-white crystalline powder.
- **Boiling Point:** Not available.
- **Melting Point:** Not available.
- **Solubility:** Limited in water; soluble in organic solvents.

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Incompatibility:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** May release toxic fumes, including nitrogen oxides and hydrogen fluoride, under combustion.

11. Toxicological Information

- **Acute Toxicity:** Harmful if swallowed or inhaled.
- **Skin and Eye Irritation:** Causes skin and serious eye irritation.
- **Potential Effects:** May cause drowsiness or dizziness.
- **Chronic Effects:** Prolonged or repeated exposure may cause organ damage. Handle with care.