1. PRODUCT AND COMPANY INFORMATION

Product Name: Fludarabine
Cat No: 31-V88
Company: Reagents Direct
161 Melrose Avenue
Encinitas, CA 92024
Emergency Phone: (760) 230-8608

2. COMPOSITION

Formula: C\textsubscript{10}H\textsubscript{12}FN\textsubscript{5}O\textsubscript{4}
Molecular Weight: 285.23
CAS No.: 21679-14-1

3. HAZARDS IDENTIFICATION – POTENTIAL HEALTH AFFECTS

Eye
May cause skin irritation.

Skin
May cause skin irritation; may be harmful if absorbed through the skin.

Inhalation
Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if swallowed.

Ingestion
May be harmful if swallowed.

4. FIRST AID MEASURES

Eyes
Check for and remove contact lenses. In case of contact, immediately flush thoroughly with water for at least 15 minutes. Call a physician.

Skin
In case of contact, immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Contact a physician.

Ingestion
If swallowed, wash mouth out with water provided that the person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.

Inhalation
If inhaled, remove person to fresh air. If not breathing, give artificial respiration, with proper PPE. If breathing is difficult, call a physician.
5. FIRE FIGHTING MEASURES
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES
Personal Precautions Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental Precautions Do not let product enter drains.
Methods for containment Pick up and arrange disposal without creating dust. Keep in a suitable, closed container for disposal.

7. HANDLING AND STORAGE
Precautions for Safe Handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust has formed. Follow normal measures for preventative fire protection.
Conditions for Safe Storage Keep container tightly closed in a dry and well-ventilated place. Store at -20 degrees Celsius. Keep in a dry place.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
Contains no substances with occupational exposure limit values.
Hand Protection Handle with gloves.
Eye Protection Safety glasses with side-shields conforming to EN166
Skin and Body Protection Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.
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9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Crystalline Solid
Color: White-Pale Yellow
Melting Point: No Data Available
Boiling Point: No Data Available
Flash Point: No Data Available
Solubility: DMSO

10. STABILITY AND REACTIVITY
Chemical Stability: Stable under recommended storage conditions.
Conditions to Avoid: Exposure to moisture may affect product quality.
Materials to Avoid: Strong Oxidizing Agents

11. TOXICOLOGICAL INFORMATION
Acute Toxicity: No Data Available
Skin Corrosion/ Irritation: No Data Available
Serious Eye Damage: No Data Available
Respiratory or skin damage: No Data Available

12. ECOLOGICAL INFORMATION
Ecotoxicity: No Data Available
Toxicity Biodegradation: No Data Available

13. DISPOSAL CONDITIONS
Waste Disposal Method: Waste must be disposed of in accordance with federal, state and local government control regulations.

14. TRANSPORT INFORMATION
Proper Shipping Name: None
Hazard Class: This product is considered non-hazardous for transport.

15. REGULATORY INFORMATION
U.S. Federal Regulations
SARA 313 – Not SARA Listed
U.S. State Regulations
California Proposition 65 – No products were found.
WHMIS Hazard Class – Not controlled under WHMIS (Canada)

16. OTHER INFORMATION
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MATERIAL DATA SAFETY SHEET
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Notice – The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to safety precautions. It does not represent any guarantee of the properties of the product. Reagents Direct shall not be held liable for any damage resulting from handling from contact with the product. See Reagents Direct website for terms and conditions for sale.

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