

Material Safety Data Sheet

1. Identification of the substance

Product Name: Fludarabine

Synonyms: 9-beta-D-Arabinofuranosyl-2-fluoroadenine; 2-Fluoroadenine-9-beta-D-arabinofuranoside

Supplier: kinfon pharmachem co.,ltd

32F,Duhe Plaza, Lijiatuo Street, Banan Dist,Chongqing 400054 CHN

Website: <http://www.kfpharmachem.com> info@kfpharmachem.com

Emergency call:86-(0)23-8650-0814

2. Composition/information on ingredients.

Product Name: Fludarabine

Synonyms: 9-beta-D-Arabinofuranosyl-2-fluoroadenine; 2-Fluoroadenine-9-beta-D-arabinofuranoside

Molecular Formula C₁₀H₁₂FN₅O₄

Molecular Weight 285.23

CAS Registry Number 21679-14-1

EINECS 244-525-5

3. Hazards identification

Use in a chemical fume hood, with air supplied by an independent system.

Avoid inhalation, contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Material should be stored in a tightly sealed container under the storage condition stated on the Product Information sheet and on the vial label.

4. First aid measures

Stability: Stable under normal handling conditions.

Conditions to avoid: Not applicable for this product

Hazardous Combustion/Decomposition of Product: May emit toxic gases such as carbon dioxide, carbon monoxide and nitrogen oxide upon thermal decomposition.

5. Fire fighting measures

RTECS Substance category: Drug; Mutagen Exposure may cause irritation to eyes, mucous membranes, upper respiratory tract and skin. Exposure may also cause the following: Affect fertility and/or newborn and breastfed infants;

Weight loss; Changes in platelet count; Autoimmune effects; Decreased urine volume; Changes in blood serum; Dermatitis; Changes in bladder tubules

6. Accidental release measures

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

RTECS No: AU6207000

Target Organs: Eyes; Respiratory system; Skin; Digestive system;

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Cardiovascular system; Endocrine system

Toxicity Data: IPR-MUS LD50: 375mg/kg; IVN-WMN TDLo:

4.2mg/kg/5D-I; UNR-MAN TDLo: 3.2mg/kg/5D-I; DNA-HMN LYM: 1500nmol/L; DNI-MUS IPR: 41mg/kg;

MSC-HAM OVR: 100umol/L; DNI HMN LEU: 5nmol/plate/16H

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented above. See actual entry in RTECS for complete information.

7. Handling and storage

Classification: Harmful. May be harmful if inhaled, swallowed or absorbed through skin

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Safety Phrases: S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Risk Phrases: R68 - Possible risk of irreversible effects

8. Exposure Controls / PPE

Wear appropriate chemical resistant gloves, safety goggles and other protective clothing to prevent contact with eyes and skin. Laboratory should be equipped with a safety shower and eye wash station. Avoid prolonged or repeated exposure. Do not breathe dust. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

9. Physical and chemical properties

Molecular Formula: C₁₀H₁₂N₅O₄

Molecular Weight: 285.23

CAS Number: [21679-14-1]

Appearance: white solid

Storage: Desiccate at +4° C

Solubility in water: Slightly soluble.

10. Stability and reactivity

Chemical Stability: This product is relatively unstable under normal temperature.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous combustion or Decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen fluoride.

11. Toxicological information

May be toxic by inhalation, in contact with skin and if swallowed.

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12. Ecological information

No data.

13. Disposal consideration

Dispose of in a manner consistent with federal, state, and local regulations.

14. Transportation information

Non-hazardous for air and ground transportation.

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Not available.

Chemical Safety Assessment: Not available.

16. Other information

This MSDS is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use.