

CTO
UNIT- VI

Material Safety Data Sheet

DECITABINE

MSDS Number: 90-MSDS-119/00 --- Effective Date: 05/10/2009

1. Product Identification

DECITABINE

CAS No.: 2353-33-5

Molecular Weight: 228.2

Chemical Name: 4-Amino-1-(2-deoxy-beta-D-erythro-pentofuranosyl)-s-triazin-2(1H)-one

Chemical Formula: C₈H₁₂N₄O₄

Product Codes: Not available

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
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DECITABINE	2353-33-5	----	---

3. Hazards Identification

Emergency Overview

Not considered hazardous when handled under normal conditions with good house keeping.

Health Rating : Not available

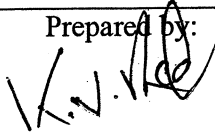
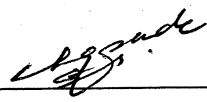

Flammability Rating : Not available

Reactivity Rating : Not available

Contact Rating : Not available

Lab Protective Equip: Goggles; Lab coat; Vent Hood; Proper Gloves; Class B Extinguishers.

Storage Color Code: Not available

Prepared by: 	Reviewed by: 	Approved by: 
Date: 14-09-09	Date: 14-09-09	Date: 05/10/09

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Potential Health Effects

Inhalation:

May be harmful if inhaled

Ingestion:

Harmful if swallowed.

Skin Contact:

May causes irritation.

Eye Contact:

May cause irritation. Flush with copious quantities of water

Chronic Exposure:

Possible hypersensitisation

Aggravation of Pre-existing Conditions:

Hypersensitivity to material, heart problem, low blood pressure, and liver or kidney function impairment

4. First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen..

Ingestion:

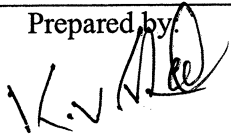

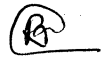
If swallowed, wash out mouth with water provided person is conscious. Call a physician

Skin Contact:

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician

Eye Contact:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician

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5. Fire Fighting Measures

Fire:

Flash point: Not available, Auto ignition temperature: Not available
Flammable limits in air % by volume: lel: Not available; uel: Not available

Explosion:

Not available

Fire Extinguishing Media:

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam

Special Information:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

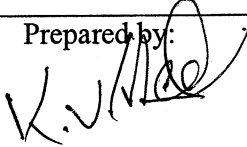
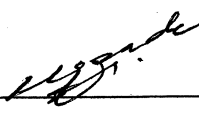

7. Handling and Storage

HANDLING

Directions for Safe Handling: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

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8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
Not available

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143)respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

9. Physical and Chemical Properties

Appearance:

white Solid Fine crystals

Odor:

Not available

Solubility:

Soluble in water

Specific Gravity:

Not available

pH:

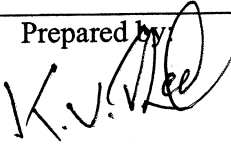


Not available

Boiling Point:

Not applicable

Melting Point:

200 °C

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Vapor Density (Air=1):

Not available

Vapor Pressure (mm Hg):

Not available

Evaporation Rate (BuAc=1):

Not available

10. Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11. Toxicological Information

Oral (Rat) LD: Intraperitoneal 190 mg/kg. Intravenous 22 mg/kg

Oral (Human) TDLo: Not available

12. Ecological Information

Environmental Fate:

Not available

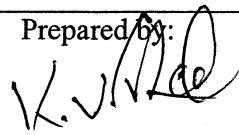
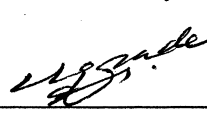

Environmental Toxicity:

Not available.

13. Disposal Considerations

SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

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14. Transport Information
Domestic (Land, D.O.T.)

Proper Shipping Name: **DECITABINE**

Hazchem- None

International (Water, I.M.O.)

Proper Shipping Name: **DECITABINE**

Hazchem- None

International (Air, I.C.A.O.)

Proper Shipping Name: **DECITABINE**

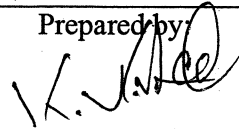
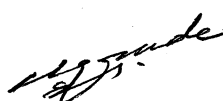

Hazchem- None

15. Regulatory Information

Not available

16. Other Information

While the information herein is believed to be reliable, it is furnished without warranty of any kind. It shall be used only as a guide. We assume no liabilities from the use of this product or information contained herein. We reserve the right to revise the MSDS from time to time as new information becomes available. It is recommended that the user contact the company to make the MSDS in use is the latest one issued.

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