

SECTION 1 – IDENTITY

TRADE NAME: Decitabine (Dacogen™)

SECTION 2 – INGREDIENTS

DECITABINE

COMMON NAME	Decitabine
THRESHOLD LIMIT VALUES (UNITS)	NA
CAS NUMBER	2353-33-5
CHEMICAL NAME	5-Aza-2'-Deoxycytidine; 4-amino-1-(2-deoxy-beta-D-erythro- pentafuranosyl)-1,3,5-triazin-2(1H)-one
MOLECULAR WEIGHT	228.21
CHEMICAL FAMILY	Cytidine analog
FORMULA	C ₈ H ₁₂ N ₄ O ₄

Potassium dihydrogen phosphate

COMMON NAME	potassium phosphate, monobasic
CAS NUMBER	7778-77-0
CHEMICAL NAME	potassium phosphate, monobasic
MOLECULAR WEIGHT	136.09
FORMULA	H ₂ KO ₄ P

Sodium Hydroxide

COMMON NAME	Caustic Soda
CAS NUMBER	1310-73-2
CHEMICAL NAME	Sodium hydroxide
MOLECULAR WEIGHT	40.01

FORMULA NaOH

SECTION 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS

ACTIVITY IN WATER	Soluble
APPEARANCE	Powder; white cake or loose solid
EXTINGUISHER MEDIA	CO ₂ , Dry Chem, Water Spray or appropriate foam.
IGNITION TEMPERATURE	Not determined
SPECIAL FIRE FIGHTING	Use NIOSH/MSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
FIRE AND EXPLOSION	NA

SECTION 4 – PHYSICAL HAZARDS

STABILITY	() Unstable (X) Stable
CONDITIONS TO AVOID	NA
INCOMPATIBILITY (MATERIALS TO AVOID)	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas
HAZARDOUS POLYMERIZATION	() May Occur (X) Will Not Occur

SECTION 5 – HEALTH HAZARDS

THRESHOLD LIMIT VALUE	NA
SIGNS AND SYMPTOMS OF OVEREXPOSURE	Toxicological properties are not fully understood. Individuals must use prudent practices when handling and storing. Adverse reactions include: myelosuppression, nausea, vomiting, diarrhea, infection, alopecia, fever, phlebitis, neuropathy, mucositis. Persons developing hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

ACUTE / CHRONIC REACTIONS TO CONSIDER May be harmful if inhaled, ingested or absorbed through skin.

CHEMICAL LISTED AS NATIONAL TOXICOLOGY PROGRAM (X) Yes () No
CARCINOGEN OR POTENTIAL I.A.R.C. Monographs () Yes (X) No
CARCINOGEN OSHA () Yes (X) No

TERATOGEN May cause congenital malformation in the fetus.

PERMISSIBLE EXPOSURE NA

EXPOSURE LIMIT USED NA

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention if necessary.

EYE Flush with water or sterile eye wash solution for 15 minutes. To assure adequate flushing of eyes, separate the eyelids with fingers. Seek medical help if painful or irritating.

SKIN Flush with water for 15 minutes. Wash with soap and water until free of residue. Remove contaminated clothing and shoes. Wash contaminated clothing before wearing.

INGESTION: Wash out mouth with water if person is conscious. Seek prompt medical attention.

SECTION 6 – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Yes

PROTECTIVE GLOVES Wear latex or nitril gloves when cleaning up spilled product.

EYE PROTECTION Yes

OTHER PROTECTIVE CLOTHING AND EQUIPMENT NA

SECTION 7 – SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	Do not breathe dust. Do not get in eyes, on skin or clothing. Avoid prolonged or repeated exposure. Store as stated in product labeling.
STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED	<p>Small Spill – Prevent exposure. Wear latex or nitrile gloves and safety glasses when cleaning up spilled product. Contain the spill. Clean up spilled material with a damp, absorbent paper, pillow or pad and place in an appropriate waste disposal container. Use care in the clean up of broken glass. Spills can be deactivated with a 2M Sodium Hydroxide solution. Decontaminate area using a bleach solution or a product like Surface Safe® (available from SuperGen, Inc.).</p> <p>Large Spill – Trained personnel should wear respiratory protection, appropriate gloves, eye protection, boots and chemically resistant body protection. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete. Spills can be deactivated with a 2M Sodium Hydroxide solution.</p>
SAFE DISPOSAL METHODS	Dispose of in accordance with local, state and federal regulations or the authority having jurisdiction. Incineration in a permitted incinerator is the preferred disposal method.

SECTION 8 – TRANSPORTATION INFORMATION

Based on:

- International Air Transport Association (IATA) *Dangerous Goods Regulations, 44th Ed.*

PROPER SHIPPING NAME	Toxic Solid, Organic, n.o.s. (Decitabine)
HAZARD CLASS NUMBER	6.1 Toxic
UN IDENTIFICATION No.	2811
PACKING GROUP	III
HAZARD / HANDLING LABELS REQUIRED	NA

Change History:

DCR#			
05-151			