

BIO BASIC INC.

160 TORBAY ROAD MARKHAM ONTARIO L3R 1G6 CANADA
TEL: (905) 474 4493, (800) 313 7224 FAX: (905) 474 5794

MATERIAL SAFETY DATA SHEET

REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

MANUFACTURER'S NAME: BIO BASIC INC.
TEL: (905) 474 4493
FAX: (905) 474 5794
FOR CHEMICAL EMERGENCY: (416) 995 9730
ADDRESS: 160 TORBAY ROAD MARKHAM ONTARIO L3R 1G6 CANADA

DATE PREPARED: June 22, 2007

SECTION 1. ----- CHEMICAL IDENTIFICATION -----

CODE#: CD0134
NAME: CYTIDINE

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CHEMICAL NAME:	CAS#:	RTECS #:	%:
CYTIDINE	65-46-3	UW7370000	>95.0

FOR MORE INFORMATION SEE COMPLETE RTECS ENTRY.

MF: C9H13N3O5
EC NO: 200-610-9

SYNONYMS

4-AMINO-1-BETA-D-RIBOFURANOSYL-2(1H)-PYRIMIDINONE * CYTIDINE *
CYTOSINE RIBOSIDE * 1-BETA-RIBOFURANOSYLCYTOSINE *

SECTION 3. ----- HAZARDS IDENTIFICATION -----

NO KNOWN HAZARDS

SECTION 4. ----- FIRST-AID MEASURES -----

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA
WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6.----- ACCIDENTAL RELEASE MEASURES-----

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

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.

SECTION 7.----- HANDLING AND STORAGE-----

REFER TO SECTION 8.

SECTION 8.----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

CHEMICAL SAFETY GOGGLES.

NIOSH/MSHA-APPROVED RESPIRATOR.

MECHANICAL EXHAUST REQUIRED.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

AVOID BREATHING DUST.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

WASH THOROUGHLY AFTER HANDLING.

KEEP CONTAINER CLOSED.

HYGROSCOPIC

REFRIGERATE.

SECTION 9.----- PHYSICAL AND CHEMICAL PROPERTIES-----

APPEARANCE AND ODOR

WHITE POWDER

PHYSICAL PROPERTIES

MELTING POINT: 210 TO 220C

SECTION 10.-----STABILITY AND REACTIVITY-----

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

PROTECT FROM MOISTURE.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

NITROGEN OXIDES

SECTION 11.----- TOXICOLOGICAL INFORMATION-----

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

MAY CAUSE IRRITATION.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: UW7370000

2(1H)-PYRIMIDINONE, 4-AMINO-1-BETA-D-RIBOFURANOSYL-

TOXICITY DATA

IPR-MUS LD50:2700 MG/KG RPTOAN 40,66,1977

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12.----- ECOLOGICAL INFORMATION-----

DATA NOT YET AVAILABLE.

SECTION 13.----- DISPOSAL CONSIDERATIONS-----

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.

SECTION 14. ----- TRANSPORT INFORMATION -----
NOT REGULATED.

SECTION 15. ----- REGULATORY INFORMATION -----
EUROPEAN INFORMATION
R: N/A
S: N/A
REVIEWS, STANDARDS, AND REGULATIONS
OEL=MAK
NOES 1983: HZD X9990; NIS 1; TNF 35; NOS 1; TNE 115; TFE 64
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

SECTION 16. ----- OTHER INFORMATION -----
THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. BIO BASIC INC. SHALL NOT
BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT
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