



**IMATINIB MESYLATE**  
**MATERIAL SAFETY DATA SHEET**

Address	Tel No's	Fax No.
8-3-166/7/1, Hetero House,	0091-40-23704923	0091-40-23704926
Erragadda, Hyderabad-500018	0091-40-23704924	
India	0091-40-23704925	

WARNING STATEMENT	Not for direct human consumption. Avoid ingestion, inhalation & skin contact. For processing use only.
-------------------	--

**SECTION-1-IDENTIFICATION**

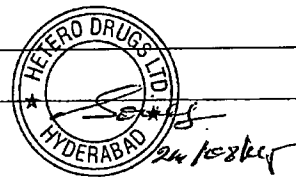
COMMON NAME	Imatinib Mesylate
CAS No.	[112809-51-5]
CHEMICAL NAME	4,4'-(1H-1, 2,4-Triazol-1-ylmethylene)bisbenzotrile
THERAPEUTIC CATEGORY	Antineoplastic
FORMULA	C <sub>17</sub> H <sub>11</sub> N <sub>5</sub>
FORMULA WEIGHT	285.30

**SECTION-2-INGREDIENT INFORMATION**

PRINCIPLE COMPONENTS	PERCENT	EXPOSURE LIMITS
Letrozole	Pure Material	n/f

**SECTION-3: PHYSICAL AND CHEMICAL CHARACTERISTICS**

APPEARANCE AND ODOUR	A white to yellowish, crystalline powder
SOLUBILITY	Freely soluble in dichloromethane, slightly soluble in alcohol (96%)
MELTING POINT	181-183 <sup>0</sup>
BOILING POINT	n/f
SPECIFIC GRAVITY	n/f
VAPOR PRESSURE	n/f
VAPOR DENSITY	n/f
EVAPORATION RATE	n/f





REACTIVITY IN WATER	n/f
VOLATILE BY VOLUME	n/f
<b>SECTION-4 - FIREFIGHTING MEASURES</b>	
FLASH POINT	n/f
AUTO-IGNITION TEMPERATURE	n/f
UPPER FLAMMABLE LIMIT	n/f
LOWER FLAMMABLE LIMIT	n/f
EXTINGUISHER MEDIA	Water spray, dry chemical and carbon dioxide or foam as appropriate for surrounding fire and materials.
SPECIAL FIRE FIGHTING PROCEDURE	As with all fires, evacuate personnel to safe area. Fire fighters should use self-contained breathing equipment and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDOUS	This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potent buildup of static electricity.
FIREFIGHTING PROCEDURES	As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.
<b>SECTION-5 - PHYSICAL HAZARDS</b>	
STABILITY	Stable
CONDITIONS TO AVOID	n/f
INCOMPATIBILITIES	n/f
HAZARDOUS DECOMPOSITION PRODUCTS	When heated to decomposition, material emits toxic fumes. Emits toxic fumes under fire conditions.
HAZARDOUS POLYMERIZATION	Will not occur
<b>SECTION-6 - HEALTH HAZARD INFORMATION</b>	
ADVERSE EFFECTS	Adverse effects may include dizziness, fainting, headache, diarrhea, nausea, loss of taste, dry cough, rash fever, joint



	pain, and unusual tiredness. Possible allergic reaction to material if inhaled, ingested or in contact with skin.
ACUTE	Possible eye, skin, gastrointestinal and/or respiratory tract irritation.
CHRONIC	Possible hypersensitization
INHALATION	May cause irritation. Remove to fresh air.
EYES	May cause irritation. Flush with copious quantities of water.
SKIN	May cause irritation. Flush with copious quantities of water.
INGESTION	May cause irritation. Flush out mouth with water
<b>SECTION-7 - FIRST AID MEASURES</b>	
PRECAUTIONS TO CONSIDER	Persons developing hypersensitivity (anaphylactic) reactions must receive immediate attention, material may be irritating to mucous membranes and respiratory tract. When handling avoid all contact and inhalation of dust, fumes, mists, and/or vapors associated with the material. Keep container tightly closed and use with adequate ventilation. Wash thoroughly after handling. Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual may be uncharacterized or unknown.
EMERGENCY AND FIRST AID PROCEDURES	Remove from exposure. Remove contaminated clothing. Person developing serious hypersensitivity reactions must receive immediate medical attention. If person is not breathing give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.
<b>SECTION-8 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
RESPIRATORY PROTECTION	Use a NIOSH approved respirator, if it is determined to be necessary by an industrial hygiene survey involving air monitoring. In the event that a respirator is not required, an approved dust mask should be used.
VENTILATION	Recommended



PROTECTIVE GLOVES	Rubber
EYE PROTECTION	Safety goggles
OTHER PROTECTIVE CLOTHING	Appropriate laboratory apparel. Protect exposed skin.
<b>SECTION-9 - HANDLING / SPILL / DISPOSAL MEASURES</b>	
HANDLING	As a general rule, when handling the materials avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.
STORAGE	Store in airtight containers. This material should be handled and stored per label instructions to ensure product integrity.
SPILL RESPONSE	Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately labelled container for disposal. Wash spill site.



*S. Singh*  
24/08/05