Safety Data Sheet

SDS created: *09-03-2008*

1 - Identification of substance and manufacturer

Axon catalogue ID	***CAS number***	***Manufacturer's name***		***Emergency Telephone number***
1394	220127-57-1	Axon Medchem BV		+31 (0)50 311 8007
Product name	***Batch no.***	**Street address**		***Manufacturer's fax number***
Imatinib mesylate	1	Biotech Center UMCG, Hanzeplein 1		+31 (0)50 3600390
IUPAC name	***Application***	***Postal Code***	***City***	***Manufacturer's email address***
N-(4-methyl-3-(4-(pyridin-3-yl)pyrimidin-2-ylamino)phenyl)-4-((4-methylpiperazin-1-yl)methyl)benzamide mesylate	Bcr-Abl; c-kit and PDGF-R. inhibitor	9713 GZ	Groningen	info@axonmedchem.com
		Province	***Country of origin***	***Manufacturer's website***
		Groningen	The Netherlands	http://www.axonmedchem.com

2 - Hazards identification

Route of entry	***GHS Pictogram***	**Potential health effects**
Eye contact, Inhalation, Digestion		May be harmful by inhalation, ingestion or eye and/or skin absorption. May cause irritation to eye, mucous membranes, upper respiratory system, and/or skin. The toxicological properties of this compound have not been fully tested. For research purposes only.
Symptoms of Exposure		
No data available		

3 - Information on ingredients

Hazardous ingredient	***CAS number***	***Concentration***	***LD-50 of ingredient***
Imatinib mesylate	220127-57-1	99.9%	No data available

4 - First Aid Measures

Skin contact	***Eye contact***	***Inhalation***	***Ingestion***
Wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing.	Rinse with copious amounts of water for at least 15 minutes as a precaution.	Transfer victim to an un-effected area and monitor breathing. If breathing becomes difficult administer oxygen. If breathing stops give artificial respiration.	Rinse mouth out with copious amounts of water, contact a physician.

5 - Fire Fighting Measures

Fire fighting instructions	***Flamable***	***Flashpoint (°C)***	***Hazardous combustion products***
Use extinguishing media appropriate to the surrounding fire conditions. Wear protective clothing to prevent contact with skin,eyes, and respiratory system.	No data available	No data available	May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO_2), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.

6 - Accidental Release Measures

Leak and spill procedures

Wear appropriate protective clothing. Vacuum or sweep up dry material and dispose in an appropriate container as described under Disposal Conditions. Avoid raising dust. Absorb solutions with finely-powdered liquid-binding material. After removal, ventilate and decontaminate surfaces and equipment with alcohol. Dispose of contaminated materials according to section 13.

7 - Handling and Storage

Handling procedures and equipment

Avoid inhalation, contact with eyes, skin and clothing. Wear appropriate protective clothing. Avoid repeated and/or prolonged exposure. Use in a chemical fume hood, with an independent air supply.

Storage requirements

Store in a properly sealed container under the storage conditions indicated on the label.

8 - Exposure Control / Personal Protection

Exposure limits	***Protection of hands/skin***	***Protection of eyes***	***Protection of respiratory system***
No data available	Chemical resistant gloves and lab coat	Appropriate safety glasses	Handle in fume hood. Prevent inhalation

9 - Physical and chemical properties

Batch molecular formula	***Appearance***	***Chemical purity***	***Solubility in water (mg/mL)***
$C_{29}H_{31}N_7O.CH_4O_3S$	Off-White solid	99.9%	0.0
Batch MW	***Melting point***	***Optical purity (ee)***	
589.71	224 °C	N.A.	

10 - Stability and reactivity

Stability	***Reactivity***	***Conditions and materials to avoid***
Stable under normal handling conditions.	May emit toxic gasses like carbon monoxide (CO), carbon dioxide (CO_2), hydrochloric acid (HCl), nitrogen oxide upon thermal decomposition.	Protect from light and heat. Avoid strong oxidizing agents.

11 - Toxicological information

Toxicity	***Carcinogenicity***	***Mutagenicity***	***Teratogenicity***
No data available	No data available	No data available	No data available

12 - Ecological information

Treat as potentially toxic. Runoff from fire control or dilution with water may cause pollution.

13 - Disposal considerations

Treat as potentially toxic. Dispose in accordance with local, state, and federal regulations.

14 - Transport Information

(US) DOT shipping name	***IATA class***	***Applicable HS class***	***Transportation (Land/Sea/Air)***
No data available	No data available	2942.00.0000	Non-hazardous

15 - Regulatory Information

Hazardous ingredient	***CAS number***
Imatinib mesylate	220127-57-1

European risk and saftey phrases	***US EPA SARA Title III***	***US EPA CAA, CWA, TSCA***
R48: Danger of serious damage to health by prolonged exposure.	Sec.302 (EHS) - No	EPA CAA - No
S22 - Do not breathe dust.	Sec.302 (EHS) - No	EPA CWA NPDES - No
S24/S25 - Avoid any inhalation, contact with skin and eyes.	Sec.313 (TRI) - No	EPA TSCA - No
S36/S37/S39 - Wear suitable protective clothing, gloves and eye/face protection.	Sec.110 - No	CA PROP 65 - No
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.		

16 - Other information

The above information is believed to be accurate and represents the best information currently available to us, but does not purport to be complete.
The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.
For research use only by trained personnel.
CAUTION: SUBSTANCE NOT FULLY TESTED