

KEY SCIENTIFIC PRODUCTS

MATERIAL SAFETY DATA SHEET

1.	a. Product Name:	BETA-LACTAMASE DISCS
	b. Product Code:	K110
	c. Product Formulation:	Each disc contains <1 mg of penicillin in a buffered base. Synonyms: 4-Thia-1-azabicyclo(3.2.0)heptane-2-carboxylic acid, 3,3-dimethyl-7-oxo-6-(2-phenylacetamido)-, monopotassium salt; Benzylpenicillanic acid potassium salt; Benzylpenicillin potassium; Benzylpenicillin potassium salt.
2.	Hazard Identification: Symbol: Phrases:	None required None required.
3.	Transport Information:	None required.
4.	Regulatory Information:	See CHIP Regulations 1993.
5.	Physical & Chemical Properties: a. Physical Description: b. Chemical Properties:	White to yellow disc Soluble in water.
6.	Fire Fighting Measures:	Use water spray, CO2, foam or dry powder as the extinguisher medium. Non-flammable, non-combustible.
7.	Health Hazards: Toxicological Information:	Individuals with allergies or hypersensitivity to antibiotics should take caution. May cause allergic respiratory and skin reaction. May cause eye, skin, and respiratory tract irritation. Eye: May cause mild eye irritation. Skin: May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. May cause allergic reaction. Inhalation: May cause allergic respiratory reaction. Inhalation of dust may cause respiratory tract irritation. Chronic: Laboratory experiments have resulted in mutagenic effects.
8.	Stability & Reactivity:	Essentially stable and non-reactive
9.	First Aid: a. Eyes b. Ingestion c. Skin Contact: d. Inhalation:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Call a poison control center. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Notes to Physician: Treat symptomatically and supportively.
10.	Accidental Release/ Spillage Measures:	Sweep or vacuum and discard as routine waste. (See 11 below). Spillage of inoculated discs should be handled according to guidelines for bacteriological hazards.
11.	Disposal:	Uninoculated discs may be discarded as normal waste. Inoculated disc should be discarded in a manner appropriate for biological hazard.
12.	Exposure Control and Personal Protection:	Do not swallow.
13.	Ecological Information:	None implemented.
14.	Storage & Handling:	Store at 0 to 8 C in a dry atmosphere and in the sealed container provided.
15.	Other Information:	Compiled with information from Sigma/Aldrich databases.

Date:	06/22/05