

Material Safety Data Sheet

MSDS 013

Version 02 (Date of Issue: 14 March 2012)



1. Identification of the substance/preparation and of the company/undertaking

Identification of the product: Voraxaze®
Glucarpidase
Carboxypeptidase G2, Lyophilised.

2. Composition/information on ingredients

Carboxypeptidase G2, 2.5mg/1000 units vial approx. When reconstituted with 1ml distilled water will produce a solution containing 2.5mg/1000U enzyme in 5mM Tris HC1 pH 7.7 containing 0.1mM zinc acetate and 1% w/v lactose.

3. Hazards identification

Main Hazard: Nontoxic but potential to be allergenic.

Health Effects:	Eyes:	The characteristics of this material have not been fully investigated – exercise due care in handling and use.
	Skin:	
	Ingestion:	
	Inhalation:	

4. First aid measures

Eyes:	Flush with copious water, for at least 15 minutes. Seek medical advice.
Skin:	Flush with copious water, for at least 15 minutes.
Ingestion:	Flush with copious water. Seek medical advice.
Inhalation:	Move to fresh air. In case of breathing difficulty, seek medical advice.

5. Fire-fighting measures

Extinguisher medium:	Not applicable.
Unsuitable extinguisher medium:	Not applicable.
Protective equipment for fire fighting:	Not applicable.

6. Accidental release measures

Personal precautions:	Wear rubber gloves, exercise caution.
Environmental precautions:	Not applicable.
Spillage:	Spilled material should be wiped up carefully and removed.

7. Handling and storage

Handling:	Wear rubber gloves. Avoid contact with skin. Avoid ingestion and inhalation.
Storage:	Store at 2 to 8 °C.

8. Exposure controls/personal protection

Exposure control limits:	Not established.
Respiratory protection:	Dust mask, work in extractor hood.
Eye protection:	Safety glasses.
Hand protection:	Rubber gloves.
Skin protection:	Laboratory Coat, plastic apron.

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9. Physical and chemical properties

Physical properties

Form:	Solid (at room temperature).
Colour:	White solid.
Aqueous pH:	7.0 to 8.0.
Additional components present:	TRIS/HC1, Zinc acetate, Lactose.

10. Stability and reactivity

Stability:	Stable at stated storage conditions.
Conditions to be avoided:	Elevated temperatures.
Hazardous decomposition products:	Not applicable.
Substances to be avoided:	Not applicable.

11. Toxicological information

Routes of exposure:	Inhalation / Ingestion / Skin Adsorption.
Acute effects:	Unknown.
Chronic effects:	Unknown.
Special considerations:	Not applicable.

12. Ecological information

Ecotoxicity:	Not available.
Persistence:	Not available.
Appraisal:	Not available.
Mobility:	Not available.
Bioaccumulation:	Not available.

13. Disposal conditions

Disposal:	Disposal of product and items that have come into contact with the product as Biological Waste.
Packaging:	Disposal in accordance with local regulations.

14. Transport information

Special precautions: Keep frozen on ice.

Additional information arising from the Carriage of dangerous Goods by Road & Rail. (Classification, Packaging, and Labelling) Regulations:

UN no:	Not applicable.
Packing group:	Not applicable.
ADR/RID:	Not applicable.
IMO – IMG code:	Not applicable.

15. Regulatory information

Labelling information: Labelling according to EEC directives.

16. Other information

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