

Material Safety Data Sheet

Chondroitinase ABC (from *Proteus vulgaris*)

Revision Date: 12 April 2012

SECTION 1: PRODUCT INFORMATION

Product Name: Chondroitinase ABC (from *Proteus vulgaris*), Protease Free
Cat. Number: AMS.E1028-02 / AMS.E1028-10 / AMS.E1028-50

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

EC No: 4.2.2.4
CAS No: 9024-13-9

Systemic Name: Chondroitin ABC lyase
Synonyms: Chondroitin ABC eliminase

Origin: *Proteus vulgaris*

Ingredients: Chondroitinase ABC

Physical State: Lyophilized powder

SECTION 3: HAZARDS IDENTIFICATION

Skin: May cause irritation
Eyes: May cause irritation or burning sensation
Inhalation: May cause irritation to respiratory tract
Swallowed: Not known to cause toxic effect
Injection: Not known to cause toxic effect
Carcinogenicity: Not determined

SECTION 4: FIRST-AID MEASURES

Skin Contact: Flush skin with copious of water
Eye Contact: Rinsed opened eye with running water
Inhalation: Move to an outside area and breathe fresh air; Clear the nose by blowing or sneezing
Swallowing: Flush mouth with copious of water
All of the above: Consult a doctor if symptoms develop

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Non-combustible
 Prevent contact with skin and eyes

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Measures: Wear safety goggles, dust mask, gloves and laboratory clothes.
Cleaning and Collecting Measures: Spilled materials should be carefully wiped and disposed as biological wastes; Spill site is washed with water after material pickup is complete.



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SECTION 7: HANDLING AND STORAGE

Safe handling: Prevent contact with eye and skin, swallowing and inhalation.
No other special handling if used correctly.

Storage: The product is recommended to be kept at -20°C until opened.
After reconstitution, aliquot and keep at -20°C.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

General exposure controls: The general precautions for handling the chemical and potentially biohazardous materials should be followed; Eye wash and safety shower should be available in proximity.

Personal protection:

Skin: Wear sufficient clothes and water-resistant gloves.

Eyes: Wear safety goggles.

Respiratory tract: Wear dust masks.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical appearance:	It is a protein enzyme as odorless and dry white powder
Melting point:	Not applicable
Boiling point:	Not applicable
Flash point:	Not applicable
Flammability:	Not flammable
Danger of explosion:	Not determined
Solubility:	Water-soluble
Organic solvent:	0%

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable if used according to product specification

Reactivity: No dangerous reactivity known

SECTION 11: TOXICOLOGICAL INFORMATION

The toxicology of this material has not been fully tested; however, to the best of our knowledge this material contains no hazardous materials.

SECTION 12: ECOLOGICAL INFORMATION

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations and other applicable ones.

SECTION 14: TRANSPORTATION INFORMATION

Shipping name: Chondroitinase ABC
This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals and considered to be non-hazardous for transport.

IATA: Not classified as dangerous goods under the IATA Dangerous Goods Regulations

SECTION 15: REGULATION

Not available.

SECTION 16: OTHER INFORMATION

The above information is believed to be correct but does not claim to be all-inclusive and shall be used only as a guide for experienced personnel. AMSBIO shall not be held responsible for any damage resulting from handling or contact with the above product.