



BAX[®] SYSTEM PROTEASE

Version 2.3

Revision Date 12/23/2014

Ref. 130000028518

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : BAX[®] SYSTEM PROTEASE
 Tradename/Synonym : Protease
 Proteinase

MSDS Number : 130000028518

Manufacturer : E.I. DuPont de Nemours and Co.
 1007 Market Street
 Wilmington, DE 19898

Product Information : 1-302-774-1000
 Transport Emergency : CHEMTREC: +1-800-424-9300 (outside the U.S. +1-703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Potential Health Effects

Skin

Glycerol : May cause skin irritation. May cause:, Discomfort, itching, redness, or swelling..

Eyes

Glycerol : May cause eye irritation. May cause:, Tearing, redness, or discomfort..

Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
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Water	7732-18-5	55 - 65 %
Glycerol	56-81-5	35 - 45 %
Protease		<1 %

SECTION 4. FIRST AID MEASURES

- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Inhalation : Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
- Ingestion : Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.

SECTION 5. FIREFIGHTING MEASURES

- Fire and Explosion Hazard : Not a fire or explosion hazard.
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Cleanup : Soak up with sawdust, sand, oil dry or other absorbent material.

Accidental Release Measures : Dispose of in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel) : Avoid contact with skin, eyes and clothing.

Storage : Keep refrigerated.

Storage temperature : 4 °C (39 °F)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : Use only with adequate ventilation.

Personal protective equipment

Hand protection : Material: Latex gloves

Eye protection : Safety glasses

Exposure Guidelines

Exposure Limit Values

Glycerol

Permissible exposure limit:	(OSHA)	5 mg/m ³	8 hr. TWA	Respirable fraction.
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Permissible exposure limit:	(OSHA)	15 mg/m ³	8 hr. TWA	Total dust.
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

SECTION 10. STABILITY AND REACTIVITY

Stability : Stable

Hazardous reactions : Polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION**BAX[®] SYSTEM PROTEASE**

Further information	: no data available
Glycerol	
Dermal LD50	: 56,750 mg/kg , Guinea pig
Oral LD50	: 27,260 mg/kg , Rat
Skin irritation	: No skin irritation, Rabbit
Eye irritation	: No eye irritation, Rabbit
Skin sensitization	: Does not cause skin sensitisation., human
Repeated dose toxicity	: Oral Rat
	No toxicologically significant effects were found.
Carcinogenicity	: Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.
Mutagenicity	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Reproductive toxicity	: No toxicity to reproduction Animal testing showed no reproductive toxicity.



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Teratogenicity : Animal testing showed no developmental toxicity.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity

Glycerol

96 h LC50 : Oncorhynchus mykiss (rainbow trout) 54,000 mg/l

ErC50 :

48 h EC50 : Daphnia magna (Water flea) 1,955 mg/l

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal : Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA.

SECTION 15. REGULATORY INFORMATION

SARA 313 Regulated Chemical(s) : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous



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Substances): Glycerol

SECTION 16. OTHER INFORMATION

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Significant change from previous version is denoted with a double bar.