## **GHS Classification**

ID736

## Subtilisins, as crystalline active enzyme

Date Classified: Jul. 24, 2006 (Environmental Hazards: Mar. 31, 2006)

CAS 1395-21-7 Physical Hazards Reference Manual: GHS Classification Manual (Feb. 10, 2006)

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Explosives	Classification not possible	-	-	-	No data available
2 Flammable gases	Not applicable	-	-	-	Solid (room temperature)
3 Flammable aerosols	Not applicable	-	ı	-	Not aerosol products
4 Oxidizing gases	Not applicable	1	1	-	Solid (room temperature)
5 Gases under pressure	Not applicable	-	ı	-	Solid (room temperature)
6 Flammable liquids	Not applicable	1	1	-	Solid (room temperature)
7 Flammable solids	Classification not possible	_	1	-	No data available
8 Self-reactive substances and mixtures	Classification not possible	-	-	-	No data available
9 Pyrophoric liquids	Not applicable	-	-	-	Solid (room temperature)
10 Pyrophoric solids	Classification not possible	-	-	-	No data available
11 Self-heating substances and mixtures	Classification not possible	-	-	-	No data available
12 Substances and mixtures, which in contact with water, emit flammable gases	Classification not possible	-	ı	-	No data available
13 Oxidizing liquids	Not applicable	_	-	-	Solid (room temperature)
14 Oxidizing solids	Classification not possible	_	-	-	No data available
15 Organic peroxides	Classification not possible	-	ı	-	No data available
16 Corrosive to metals	Classification not possible	-	-	-	No data available

## **Health Hazards**

160	aitii	III HAZAIUS							
H	łaza	rd class	Classification	symbol	signal word	hazard statement	Rational for the classification		
	1	Acute toxicity (oral)	Classification not possible	-	-	ı	Insufficient data available		
	1	Acute toxicity (dermal)	Classification not possible	ı	ı	ı	Insufficient data available		
	1	Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Solid (room temperature)		
		vapour)	Classification not possible	-	-	-	Insufficient data available		
		Acute toxicity (inhalation: dust, mist)	Classification not possible	-	-	-	Insufficient data available		
	2	Skin corrosion / irritation	Category 2-3	Exclamation mark		Causes skin irritation	Irritation on human skin is reported. But there is no information on the extent (ACGIH, 2001). Therefore, it was classified as Category 2-3.		
	~	Serious eye damage / eye irritation	Category 2A	Exclamation mark		Causes serious eye irritation	It was set as Category 2A based on what severe eye irritations is reported by Draise test of the rabbit (RTECS, 2004).		
			sensitization: Category1; Skin sensitization: Category1	(Respiratory sensitization)Health hazard; (Skin sensitization)Exclam ation mark	(Respiratory sensitization)Da nger; (Skin sensitization)W arning	breathing difficulties	Human skin sensitization (identified in a skin patch test) and respiratory sensitization (such as airway obstruction, bronchus contraction, the fall of the amount of breathing and asthma) have been reported (ACGIH, 2001). Therefore, both skin sensitization sensitization and respiratory sensitization were referred to as Category 1.		
	5	Germ cell mutagenicity	Classification not possible	ı	-	-	No data available		

6		Classification not possible	-	-	-	No data available
7		Classification not possible	-	-	-	No data available
	Specific target organs/systemic toxicity following single exposure	Category 1 (respiratory)	Health hazard			Pulmonary edemas are acknowledged by guinea pigs inhalation exposures (ACGIH, 2001), and this exposure concentrations is set as category 1 as compared with a guidance value. Moreover, it is classified into Category 1 (respiratory systems) based on respiratory irritation being reported in humans (ACGIH, 2001).
	toxicity following repeated	Classification not possible	-	-	-	No data available
10	·	Classification not possible	-	-	-	No data available

## **Environmental Hazards**

<u></u>	THE OTHER PROPERTY.						
H	azard class	Classification	symbol	signal word	hazard statement	Rational for the classification	
	11 Hazardous to the aquatic environment (acute)	Classification not possible	-	-	-	No data available	
	11 Hazardous to the aquatic environment (chronic)	Classification not possible	-	ı	-	No data available.	