



CELLERM

MATERIAL SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Substance

Chemical Name Cellulose
Commercial Names and Cellferm
Synonyms
Chemical Abstract Nomenclature

Uses Toxin adsorber, fermentation adjuvant

Company Tel. +39-0321-790-300 (please see bottom of the page)

Emergency service Niguarda Hospital tel. +39-02-6610-1029

2 - COMPOSITION / INFORMATION ON INGREDIENTS

- **General description of the components, relative concentrations and risks**

Chemical name	N° CAS	N°EINECS	Conc/Range %	Classification	
				Symbols	R phrases
Cellulose	9004-34-6	265-995-8			

The product does not contain any other products and/or impurities that influence the product classification.

3 - HAZARDS IDENTIFICATION

Not dangerous classified substance according to official current regulations.

Health risks	During the use of the product the formation of dusts can cause explosions
Environmental risks	The emission of the product in water increases the concentration of contaminating substances
Physical and chemical hazards Fire and explosion	Inflammable

4 - FIRST AID MEASURES

Inhalation	Move the injured person to open air
Skin contact	Wash abundantly with water
Eyes contact	Wash immediately with water for at least 15 minutes
Ingestion	None

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5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	Sprayed water
Extinguishing agents to be avoided	Jets of water
Dangers caused by combustion matters	In case of fire possible formation of organic decomposition, carbon monoxide and carbon dioxide
Protection measures in case of intervention	Breathing apparatus – Protective clothes
Additional information	

6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Collect mechanically - Prevent dust formation
Personal-related safety precautions	None
Environmental protection	Prevent the introduction of the product within the sewage system or canals

7 – HANDLING AND STORAGE

Handling	Prevent dust formation
Storage	Store in a dry, cool and well-ventilated place. Keep away from oxidants and explosives

8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Mask in case of low ventilated area
Skin protection	None
Hand protection	Safety gloves
Eyes protection	Safety goggles
Exposure limits	TLV-TWA: unknown, 10 mg/m ³ (irritant dusts)

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9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	physical state	Granular powder
	colour	White
	smell	None
Melting point		Decomposition at >200°C
Boiling point		
Density		
Solubility in water		Insoluble
Flash point		
Inflammability limits (vol % in air)		
Autoignition temperature		
pH		
Coefficient of division n-octanol/water		

10 – STABILITY AND REACTIVITY

Conditions to be avoided	Decomposition starting at > 200°C. Infiammabile
Products to be avoided	Unknown
Hazardous decomposition products	In case of fire possibile formation of carbon monoxide and carbon dioxide

11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation	yes
	Ingestion	unlikely event
	Contact	
Acute toxicity		
Inhalation consequences	Unknown	
Ingestion consequences	Unknown	
Skin local effects	Unknown	
Eyes local effects	Unknown	
Additional information	Unknown	

12 – ECOLOGICAL INFORMATION

Difficult biodegradability because of its scarce solubility – Unlikely bioaccumulation because of its scarce solubility in water – Unknown ecotoxicity – Small contaminating effects because of its scarce solubility in water.

13 – DISPOSAL CONSIDERATIONS

Product	The product should be discarded according to local current regulations
Contaminated packages	Empty the package, unfold it completely and dispose of it according to the material

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14 – TRANSPORT INFORMATION

Product non subject to ADR/RID and IMO regulations, related to road, sea and airway transport of dangerous goods.

15 – REGULATORY INFORMATION

EC labelling	[]	Required by the law
	[]	Temporary
# Classification	[X]	Not required

16 – OTHER INFORMATION

Hazard symbol
Risk phrases

Safety phrases

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possible damages arising from uses of this information for different purposes from the ones here indicated.

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