



ACTICHARME

MATERIAL SAFETY DATA SHEET

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

Substance

Chemical Name

Commercial Names and Acticharme

Synonyms

Chemical Abstract Nomenclature

Uses Yeast nutrient

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
DAP	7783-28-0	231-987-8	>10		
Yeast hulls			>10		

3 - HAZARDS IDENTIFICATION

Not dangerous classified substance according to official current regulations.

Health risks Can cause eyes and skin irritation (skin abrasion)

Environmental risks Water-soluble, can damage vegetation if highly concentrated

Physical and chemical hazards Heating or contact with alkalis produces ammonia, a toxic and
Fire and explosion corrosive gas

4 - FIRST AID MEASURES

Inhalation Move immediately to open air

Skin contact Wash with water and neutral soap

Eyes contact Wash immediately and abundantly with running water. Seek medical advice if necessary

Ingestion Let drink much water in order to obtain dilution. Seek medical advice

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5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	Nebulized water, foam, chemical powder and CO ₂
Extinguishing agents to be avoided	None
Dangers caused by combustion matters	Ammonia, phosphoric anhydride from thermic decomposition
Protection measures in case of intervention	Breathing apparatus
Additional information	

6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Collect in appropriate containers for recycle or disposal. Prevent dust formation
Personal-related safety precautions	
Environmental protection	Prevent the introduction of the product within the sewage system or canals

7 – HANDLING AND STORAGE

Handling	Prevent contact with eyes, skin and mucosae, do not breathe in dusts, prevent contact with heat sources or free fires in order to prevent the product decomposition
Storage	Store in a dry, cool and well-ventilated place. Keep separately from alkalis, alkalizing substances and nitrites

8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Anti-dust mask if necessary
Skin protection	Appropriate personal protection equipment
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	Powder
	colour	Beige
	smell	Slightly ammoniac
Melting point		155 °C (with decomposition of DAP)
Boiling point		
Density		
Solubility in water		
Flash point		
Inflammability limits (vol % in air)		
Autoignition temperature		
pH		
Coefficient of division n-octanol/water		

10 – STABILITY AND REACTIVITY

Conditions to be avoided	A pH increase can release free ammonia. Temperature higher than 155°C – Humidity
Products to be avoided	Magnesium, strong bases, strong oxydating agents
Hazardous decomposition products	Heated until decomposition, it releases highly toxic vapours of PO _x , NO _x and NH ₃

11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation yes Ingestion yes Contact no
Acute toxicity	
Inhalation consequences	Irritation of the mucosae
Ingestion consequences	Unknown
Skin local effects	Moderately irritant
Eyes local effects	Moderately irritant
Additional information	

12 – ECOLOGICAL INFORMATION

Phosphate causes the growth of algae and can cause a degradation of quality water.
Water toxicity: CL50 Vairone: 155 ppm/96 hours.
Biotoxicity: Tests on Cyprinids results: 96h LC50 of 115 mg/L.

13 – DISPOSAL CONSIDERATIONS

Product	If practically possible, retrieve and recycle waste or exceeding material. Do not discharge with water jets in the sewage system. Do not mix with alkalis
Contaminated packages	If practically possible, containers and packaging materials must be recycled by an authorized contracting firm

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14 – TRANSPORT INFORMATION

Product non subject to ADR/RID, IMO and IATA 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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