



ACTIMATIC POWDER

50910092 ISSUE 4 CN3865

16<sup>th</sup> July 2007

1. IDENTIFICATION OF THE SUBSTANCE/PRODUCT AND OF THE COMPANY/UNDERTAKING

- 1.1 Identification of the Substance or Preparation:** ACTIMATIC POWDER
- 1.2 Intended use of the Substance/Preparation:** Dry preparation containing non-pathogenic bacterial cultures, enzymes, and biodegradable surfactant cleaners on a natural carrier
- 1.3 Company/Undertaking Identification:** Wade International Ltd.  
Third Avenue  
Halstead  
Essex  
CO9 2SX  
UK  
Tel: 01787 475151  
Fax: 01787 475579  
tech@wade.eu
- 1.4 Emergency Telephone Number:** 01787 475151 (working hours)

2. HAZARDS IDENTIFICATION

- 2.1 Health Hazard (inhalation, ingestion, contact with skin or eyes):**
- Most Important Hazards: The preparation is not classified as dangerous according to the criteria laid down in EU Council Directives 67/548/EEC (Annex VI of directive 2001/59/EC) and 1999/45/EEC.
- Most Important Adverse Human Health Effects: None identified
- 2.2 Environmental Hazard:** Dispersible in water. Not classified as dangerous for environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/trade name	Quantity %	Symbols	R phrase	CAS No.	EINECS, ELINCS
Lipase/Lipolase 100T	<1	Xi	R42	9001-62-1	232-619-9
BAN800M/Alpha-amylase	<1	Xi	R42	9000-90-2	232-565-6
Triton X-100	~0.1	Xn	R22, R41	9036-19-5, 123-91-1 25322-68-3, 75-21-8	N/A
PEG/Plurafac A38	<5	Xi	R36/37/38	68439-49-6	N/A
Diafil 110	~0.5	Xn	R20, R40, R36/37/38	61790-53-2	N/A
Ammonium sulfate	<5	Xi	R 36/37/38	7783-20-2	N/A



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**4. FIRST-AID MEASURES**

**4.1 Exposure by Inhalation:**

Remove victim to fresh air. Seek medical attention if symptoms occur.

**4.2 Exposure by skin :**

Immediately wash affected area thoroughly with water. Seek medical attention if irritation develops. Organisms used are non pathogenic but open wounds should be washed and covered.

**4.3 Exposure by eyes contact:**

Immediately flush eyes with plenty of water and seek medical attention if irritation develops.

**4.4 Exposure by Ingestion:**

Drink fluids to dilute. Seek medical attention.

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**5. FIRE FIGHTING MEASURES**

**5.1 Suitable Extinguishing Media:**

Water, foam, dry chemical or carbon dioxide extinguishers may be used.

**5.2 Extinguishing Media not to be used:**

None

**5.3 Specific Exposure Hazards:**

If the substance is involved in a fire, oxides of carbon and nitrogen may be evolved.

**5.4 Protective Equipment for Firefighters:**

Full protective clothing and self-contained breathing apparatus should be worn.

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**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions:**

Bulk spillages: evacuate personnel from immediate vicinity. Wear appropriate protective clothing (goggles, gloves and mask). Refer to section 8.

**6.2 Environmental Precautions:**

None

**6.3 Methods for Cleaning Up:**

Stop the spillage or release at source and contain. Small spillages on floors can be flushed to drain. Clean the spillage area with water and detergent. Small releases will not pose any hazard to the local environment.

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**7. HANDLING AND STORAGE**

**7.1 Handling:**

Precautions:

The substance should be handled under conditions of good industrial hygiene and in conformity with any local regulations in order to avoid unnecessary exposure.

Technical Measures:

The use of gloves will reduce exposure to the preparation.

Specific Requirements:

None.

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**7.2 Storage:**

Specific design for storage rooms or vessels:	None
Incompatible Materials:	Strong acids, strong alkali and reducing agents. Do not store in metallic containers
Conditions of Storage:	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Avoid freezing temperatures. Avoid temperatures above 45 °C to preserve biological stability.
Quantity Limits:	None
Packaging Materials:	Packaging should be kept dry.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Exposure limits**

VME 8h dusts =10 mg/m<sup>3</sup> (particles of a diameter < 100µ) and 5 mg/m<sup>3</sup> (particle of a diameter < 5µ)

**8.2 Professional exposure control**

Personal Protective Equipment:	The user as part of a formal exposure risk assessment should decide upon the provision of personal protective equipment and the need to provide engineering control measures. Based upon the available toxicological information the protective measures described below should be regarded as a minimum.
Respiratory Protection:	No special ventilation is usually necessary. However if operating conditions create high airborne concentrations of this material, based upon available information and in the absence of occupational exposure limits the use of a dust mask to a minimum standard of EN405 FFA1P1 is recommended.
Hand Protection:	Avoid prolonged or frequent repeated skin contact especially with broken skin. Chemical protective gloves to a Standard EN374 should be provided. Usage periods should not exceed the breakthrough times for the chemical stated by the manufacturer of the glove.
Eye Protection:	Safety glasses recommended, to prevent eye exposure, should be used when handling the preparation. The protection should be capable of giving chemical protection as classified in BS2092 or EN166.
Skin Protection:	No special clothing or equipment is usually necessary. Avoid contact with broken skin. However prolonged/frequent direct handling of the material should be minimised by wearing chemical protective clothing suitable for protection against the chemical as classified by Standard NF EN 13982-1 (type5).
Engineering Measures:	LEV is recommended to reduce exposure to the preparation

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Specific Control Parameters: None

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: Powder  
Appearance: brownish/tan, free-flowing powder  
Odour: cereal  
pH: 7.0 +/- 0.2  
Boiling Point/Boiling Range: 100 °C  
Melting Point/Melting Range: Not applicable  
Flash Point: Not determined  
Flammability (Solid, Gas): Not applicable  
Autoflammability: Not determined  
Explosive Properties: Predicted not explosive based on chemical structure.  
Oxidising Properties: Not determined  
Vapour Pressure: not determined  
Relative Density: 0.5-0.7 g/cm<sup>3</sup>  
Solubility: Water solubility: dispersible  
Fat solubility: Not determined  
Partition coefficient n-octanol/water: Not determined  
Other Data: None available

**10. STABILITY AND REACTIVITY**

**10.1 Conditions to Avoid:** Excessive temperature variations, below 0°C or above 45 °C  
**10.2 Materials to Avoid:** Strong acids or alkali and strong oxidising agents.  
**10.3 Hazardous Decomposition Products:** None anticipated

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**11. TOXICOLOGICAL INFORMATION**

**11.1 Acute toxic effects:**

11.1.1 Ingestion, LD50 Rat oral (mg/kg): Not determined

11.1.2 Inhalation, LC50 Rat inhalation (mg/l/4h): Not determined

11.1.3 Skin, LD50 Rat dermal (mg/kg) Not determined

11.1.4 Eye/skin irritation Not determined

**11.2 Sensitisation:**

Not determined

Prolonged or repeated contact may cause irritation. Slight redness on hands and forearms in individuals with a history of contact dermal allergic reactions. Dermatitis and skin sensitisation can develop after repeated and/or prolonged contact with human skin. Contact with eyes could cause slight irritation.

The product is formulated using a range of micro-organisms specially selected from the natural environment and that are known to be non-pathogenic to humans, animals or plants. It is advised to cover open wounds when in use.

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**12. ECOLOGICAL INFORMATION**

**12.1 Mobility:**

This preparation is highly dispersible in water. Therefore it is likely to distribute predominantly to the aqueous environment.

**12.2 Biodegradability:**

The preparation is expected to biodegrade rapidly. However no information on anaerobic biodegradation is available.

**12.3 Accumulation:**

Not anticipated to bioaccumulate and hence biomagnification is not likely.

**12.4 Ecotoxicity:**

The preparation is not anticipated to pose any environmental hazard. No data on toxicity specifically to soil organisms, plants and terrestrial animals are available.

**12.5 Other adverse effects:**

There is no ozone depletion, photochemical ozone creation or global warming potential. Adverse effects in the sewage treatment plant are not anticipated.

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**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste from Residues:**

Dispose of by incineration, landfill or to drain in accordance with local regulations.  
Stack gases should be scrubbed.

**13.2 Contaminated Packaging:**

Dispose of by incineration or landfill in accordance with local regulations.  
Empty packaging can be recycled.

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**14. TRANSPORT INFORMATION**

International Regulations

Land: Not applicable.

Inland waterways: Not applicable.

Sea: Not applicable.

Air: Not applicable.

UN classification number: None

Local Regulations: Any relevant local regulations concerning transport should be observed.

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**15. REGULATORY INFORMATION**

EC Regulations:

The preparation is not classified as "dangerous" according to the criteria laid down in EU Council Directives 67/548/EEC (Annex VI of Directive 2001/59/EC) and 1999/45/EEC.

Classification Proposal

Symbols: None Applicable

R-phrases: None

S-phrases: S2 Keep out of reach of children

Precautionary statement:

Contains enzymes that may cause allergic reaction.

Local Regulations:

Any relevant local regulations should be observed.

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**16. OTHER INFORMATION**

**R phrases**

R 20 Harmful by inhalation

R 22 Harmful by ingestion

R 36 Irritating to eyes

R 37 Irritating to the respiratory tract

R 38 Irritating to skin

R 40 Limited evidence of carcinogenic effect

R 41 Risk of serious damage to eyes

R 42 May cause sensitization by inhalation

LEV: Local Exhaust Ventilation

The above information is based on the present state of our knowledge at the time of publication. It is given in good faith, no warranty is implied with respect to quality or specification of product. The user must satisfy himself that the product is entirely suitable.

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