

SDS

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1. IDENTIFICATION OF PRODUCT AND MANUFACTURING COMPANY

Trade name: HAPPY COVER ®

Item: P.P. URINE SYSTEM ® CODES AM002/AM002HML

MANUFACTURER / SUPPLIER:

Angimed s.r.l.

Viale Nettuno, 25 - 66023 Francavilla al Mare (CH)

t. +39 085 975035 - f. +39 085 9960203 -

info@angimedi.it - www.angimed.it

INFORMATION PROVIDED BY:

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Green or white polyethylene (hereinafter POLYETHYLENE)

Water-soluble transparent film (hereinafter WATER-SOLUBLE)

Powder based on white cross-linked sodium polyacrylate (hereinafter POWDER). Odourless.

For more details see the Product Specification

3. IDENTIFICATION OF DANGERS

Under the "European General Classification guideline for preparations", the product is considered NOT DANGEROUS.

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Magazzino e Produzione: Via Paziienza, 3 Pescara (PE) 65123

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Appearance and Odor

The product is a bag to be sealed after use; the bag contains a super absorbent powder enclosed in a water-soluble sachet.

PRIMARY HEALTH RISK:

The primary health risks related to this product could be due to dust exposure exclusively in case of breakage of the envelope containing the powder gelling water- soluble film.

PRIMARY ROUTE OF EXPOSURE:

Inhalation of dust only and exclusively in case of breakage of the envelope containing the powder in water-soluble film.

MEDICAL PATHOLOGY GENERALLY AGGRAVATED BY EXPOSURE:

The powder in case of breakage of the envelope of water soluble film containing the gelling powder may aggravate preexisting respiratory, diseases or allergies.

4. FIRST AID INGESTION

There is no negative effect caused by the ingestion.

EYE CONTACT:

Contact with dust may cause eye irritation effect resulting in redness or tearing. Rinse thoroughly with water for at least 5 minutes to remove the foreign particles powder. Consult a physician if irritation persists.

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CONTACT WITH SKIN

In case of skin contact, rinse thoroughly with running water.

INHALTION:

Solely in case of breakage of the envelope containing the powder gelling water- soluble film, helping to remove dust and breathe fresh air. Consult a physician if irritation occurs and where violent cough or difficulty breathing.

NOTES TO PHYSICIAN

The treatment is based on evaluation of the physician in response to reactions of the patient.

5. FIRE PRECAUTIONS

Extinguishing media Suitable: CO₂, powder or water spray. Fight larger fires with water spray or foam.

Protective equipment: no special measures required.

6. MEASURES ACCIDENTAL RELEASE

METHODS TO BE USED IN CASE OF LEAK OR SPILL OF MATERIAL:

Use a broom or vacuum cleaner. Spillage of material in the presence of wet surfaces, they can make the surface slippery.

OTHER PRECAUTIONS

Only and exclusively in case of breakage of the envelope of water soluble film containing the gelling powder to minimize the jet of compressed air on the material or other practices that cause lifting of dust.

7. Handling and storage

HANDLING

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Packages must be kept away from sources of ignition.

DEPOSIT

Leave the room due to the expansion of the product in case of contact with fluids or water.

CAUTION CONCERNING THE HANDLING AND STORAGE:

No special handling precautions. Keep in a cool, dry place away from flames.

8. PERSONAL PROTECTION / EXPOSURE CONTROL PERSONAL PROTECTIVE

EQUIPMENT: RESPIRATORY PROTECTION:

Not applicable for product in the packaging.

PROTECTIVE GLOVES:

Not required. However, cloth, canvas or leather gloves are recommended to minimize irritation and potential operators who come in contact with this product. **GOGGLES:**

Not applicable for product in the packaging. However mask for eyes or safety glasses are recommended if the product is used in such a way as to generate lifting of dust.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not applicable for product in the packaging. Outdoor clothing are recommended in extremely dusty areas.

HYGIENE PRACTICES AND WORKING ENVIRONMENT:

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Not applicable for product in the packaging.

VENTILATION LOCAL WASTE:

Leave the room so that the reduction and exposure limits are restored.

MECHANICAL (GENERAL):

Provide general ventilation in handling and storage areas so that exposure limits are met.

SPECIAL: None

OTHER: None

GUIDELINES FOR EXPOSURE

The Guidelines for the Industrial Hygiene recommends 0.01 mg/m³ respirable powder of superabsorbent polymer.

9. PHYSICAL AND CHEMICAL ACTIVE COMPONENT POWDER Form: Powder.

Particle size. : <220 μ m

Color: white

Odor: none

PASSIVE COMPONENTS POLYETHYLENE

Form: Film

Color: Translucent Green

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Odour: Odourless

Change in condition:

Melting point: 111 ° C (DSC, air) Explosion limits:

- High: about 2000 g/m³

Bottom: 20 g/m³

Thermal Degradation: > 350 ° C (DSC, air) Flash Point: > 340 ° C

Density: 0.921 g/cm³

Density: 0.582 g/cm³

Solubility in water: none SOLUBLE PLASTIC FILM Form: solid, granular Color: neutral;

Odour: neutral.

Melting point: > 130 ° C.; Flammability: Not applicable; Decomposition temperature: 200 ° C.; Auto-ignition point: over 400 ° C.; Danger of explosion: none;

Solubility in water: gels at 5 ° C. - Soluble at 20 ° C.;

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PH: 7 ± 1 to 40g / l of H₂O; Specific gravity: 1.25 g/cm³

Bulk density: 500 kg/m³; Hygroscopic water content: up to 3%

10. STABILITY AND REACTIVITY

General Stability: Stable under normal conditions of use and storage.

DETAIL OF DUST

Stable under normal decomposition above 200 ° C

POLYETHYLENE RETAIL

Stable indefinitely at ambient conditions. Conditions to Avoid: Contact with open flames. Incompatibilities: Open flames and sparks.

Risks arising from decomposition or by products: Combustion causes carbon monoxide.

DETAIL OF SOLUBLE

Stable indefinitely at ambient conditions. Conditions to Avoid: Contact with open flames. Incompatibilities: Open flames and sparks.

Risks arising from decomposition or by products: Combustion causes carbon monoxide. Polymerization

Hazards: None.

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11. TOXICOLOGICAL INFORMATION

In unopened packaging there aren't toxic hazards.

In case of breakage of the envelope of water soluble film containing the powder gelling the toxicity of a single dose ingested is considered low. No risk exists to ingest small amounts of dust.

RETAIL POWDERED Acute oral toxicity: LD50 rat

Dose:> 5000.0 mg / kg

Method: limit test.

Acute dermal toxicity: LD50 rat

Dose:> 2000.0 mg / kg

Method: limit test.

Skin irritation: Rabbit

Method: OECD Test No. 404 non-irritating

Eye irritation: Rabbit

Method: OECD Test No. 405 Mild eye irritation - particle effect

Sensitization: Guinea Pig

Result: 0/20

Method: OECD Test No. 406

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No sensitization.

POLYETHYLENE RETAIL

During normal use and handling of the product has no harmful effects on health.

DETAIL OF SOLUBLE

Acute oral toxicity (LD 50) of the rat: more than 8000 mg / kg. Skin irritation: no notes.

Product in its intact:

SKIN

No significant irritation of the skin.

EYES

No significant irritation of the eyes.

INHALATION

No significant irritation to upper respiratory tract (nose and throat).

GENETIC MUTATIONS

There are no known genetic mutations.

In case of rupture of the bag containing the powder gelling water-soluble film:

SKIN

Prolonged or repeated exposure does not cause significant skin irritation.

EYES

May cause eye irritation. Can cause transient corneal damage.

INHALATION

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Dust may cause irritation to upper respiratory tract (nose and throat).

GENETIC MUTATIONS

There are no known genetic mutations.

12. ECOLOGICAL INFORMATION

The unopened product is not harmful to aquatic organisms (LC50/EC50/IC50 > 100 mg / L in most sensitive species).

In case of breakage of the envelope of water soluble film containing the powder gelling agent:

DETAIL OF DUST

Elimination information (persistence and degradability) Biodegradability: Method: OECD Test No.

302B

virtually no degradation

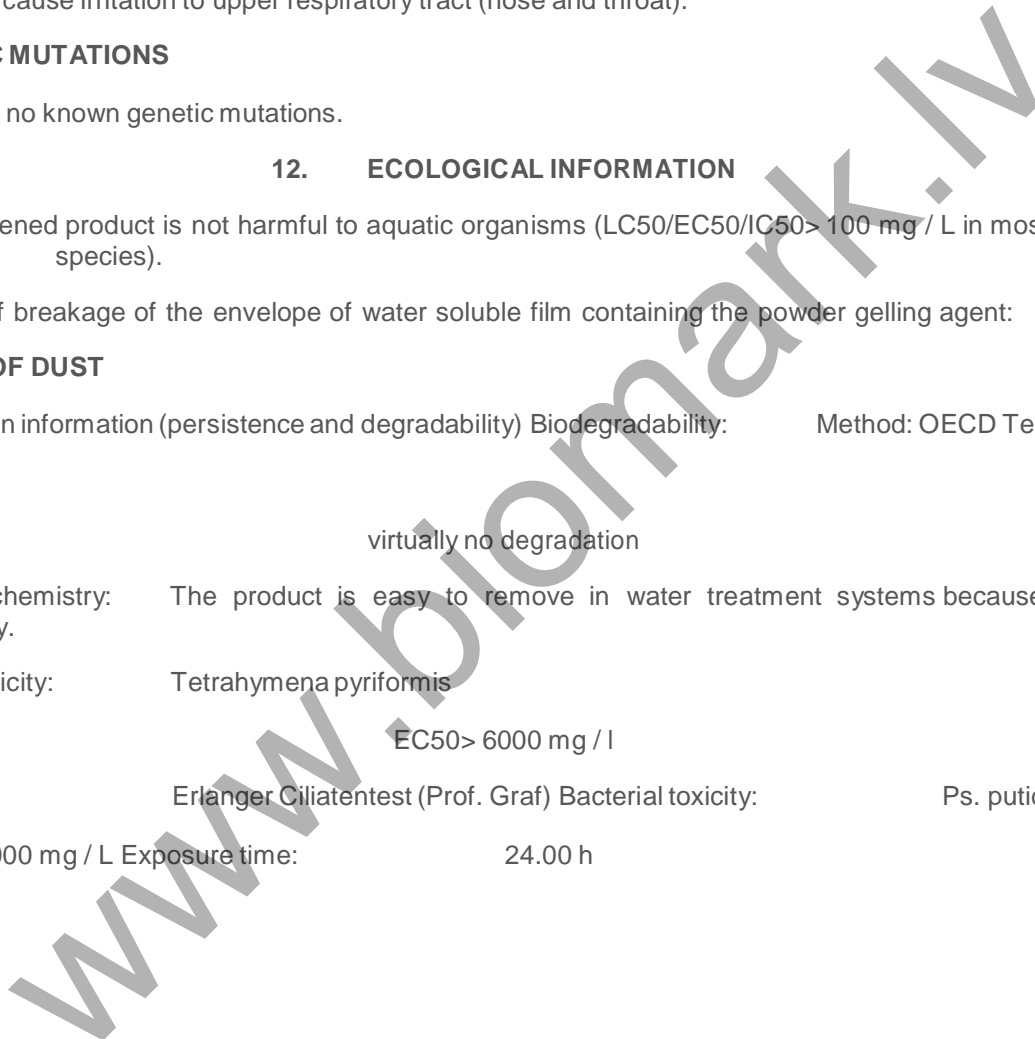
Physical chemistry: The product is easy to remove in water treatment systems because of its insolubility.

Ciliate toxicity: Tetrahymena pyriformis

EC50 > 6000 mg / l

Method: Erlanger Ciliatentest (Prof. Graf) Bacterial toxicity: Ps. putida

EC50 > 6000 mg / L Exposure time: 24.00 h



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Method: DEV L 8

Toxicity to fish: Leuciscus idus
LC50> 5500 mg / l

Exposure time: 96.00 h
Method: OECD Test No. 203

Toxicity in fish: Brachydanio rerio
LC50> 4000 mg / l

Exposure time: 96.00 h
Method: OECD Test No. 203

POLYETHYLENE RETAIL

In an aqueous environment this product should not pose problems due to the extremely low solubility.

Low degradability in soil.

DETAIL OF SOLUBLE

The product is biodegradable in water, without releasing any toxic residues. Ecotoxicological effects: the current state of experience are not predictable adverse effects to treatment plants or organic waste processing.

13. DISPOSAL

Comply with the provisions of the Local Authority.

14. TRANSPORT INFORMATION

Not regulated as a hazardous material by EC and the Italian Ministry of Transport. The product is not classified for any mode of transportation.

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Terrestrial (RID / ADR): non-hazardous material.

Maritime (IMG): non-hazardous material. Air (ICAD / IATA): Not regulated.

15. REGULATORY INFORMATION

It is the responsibility of the user to determine the regulations concerning the use of this

16. MORE INFORMATION

The information contained in this safety data sheet is provided in good faith. It has been prepared in accordance with our current knowledge and information. The information in this data sheet may not establish or modify its plans for risk assessment in the workplace as required by various laws on health and safety.

Review

Identification Number: 001 Date of issue 29.06.2018 Version: 3.0

The latest revisions are noted by the bold, double bars in left margin of the document. Angimed s.r.l. calls to each customer or recipient of this Safety Data Sheet (SDS) to study it carefully and consult appropriate expertise, as necessary or appropriate, to understand the data contained in this SDS and any hazards associated with the product. The information contained in this document are provided in good faith and believed to be accurate as of the date of the document. However, not all warranties, express or implied. Regulatory requirements are subject to change and may differ from one place to another. It is your responsibility to ensure that its activities comply with all local and national regulations. The information presented here pertains only to the product as shipped. Since conditions of product use cannot be controlled by the manufacturer, it is the user to determine the conditions for using this product safely. Due to the proliferation of sources of information such as manufacturer- specific SDS, we cannot be held responsible for SDS obtained from a different source. If you have received a SDS from another source, or if you are not sure that the SDS you have is current, please contact us for the latest version.

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