

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

B TITANIA CLEAN



PRINTING DATE 23 07 2014

VERSION 2

REVISION 22 07 2014

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

- Product name

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1.2. Relevant identified uses of the substance or mixture and uses advised against

Protective detergent for floor

1.3. Details of the supplier of the safety data sheet

- Manufacturer/Supplier

BONASYSTEMS ITALIA srl

Via Borgo S. Chiara, 29 - 30020 Torre di Mosto (VE)

Tel. +39 0421 325691 - Fax +39 0421 324232

- Further information obtainable from:

info@bsystemsitalia.it

1.4 Emergency telephone number:

Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano)

Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)

Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)

Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)

Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)

Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)

Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

Centro Antiveleni di Foggia 0881 732326 (CAV Ospedale Univ. - Foggia)

Centro Antiveleni di Roma 06 68593726 (CAV Osp. Pediatrico Bambino Gesù - Roma)

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SECTION 2. Hazards identification.

2.1. Classification of the substance or mixture.

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC (and subsequent amendments supplements).

2.2. Label elements.

This product is not subject to hazard labeling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

- *Warning symbols:*

None.

- *Hazard sentences (R):*

None.

- *Caution recommendations (S):*

None.

2.3. Other hazards.

Information not available.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions set forth in Directives 67 EEC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement..

SECTION 4. First aid measures.

4.1. Description of first aid measures.

Not specifically necessary. Observance of good industrial hygiene is recommended.

4.2. Most important symptoms and effects, both acute and delayed.

No episodes of damage to health ascribable to the product have been reported.

4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

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SECTION 5. Firefighting measures.

5.1. Extinguishing media.

- *Suitable extinguishing agents:*

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

- *Unsuitable extinguishing equipment:*

None in particular.

5.2. Special hazards arising from the substance or mixture.

- *Hazards caused by exposure in the event of fire*

Do not breathe combustion products. The product is combustible and, when the powder is released into the air in sufficient concentrations and in the presence source of ignition, it can create explosive mixtures with air.

Fires may start or get worse by leakage of the solid product from the container, when it reaches temperatures or through contact with sources of ignition.

5.3. Advice for firefighters.

- *General information*

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remain the fire according to applicable regulations.

- *Special protective equipment for fire-fighters*

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open ci positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedure

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be dispose in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

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SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, dri smoke during use.

7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Information not available.

8.2. Exposure controls.

Comply with the safety measures usually applied when handling chemical substances.

- *Hand protection*

None required.

- *Skin protection*

None required.

- *Eye protection*

None required.

- *Respiratory protection*

None required, unless indicated otherwise in the chemical risk assessment..

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SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

- <i>General Information</i>	
- <i>Appearance:</i> <i>Form:</i> <i>Colour:</i>	Liquid Transparent white
- <i>Odour:</i>	Characteristic
- <i>Odour threshold:</i>	Not determined
- <i>pH</i>	7 +/- 0,5
- <i>Change in condition</i> <i>Melting point/freezing point:</i> <i>Initial boiling point and boiling range:</i>	Not available Not available
- <i>Flash point:</i>	Not available
- <i>Evaporation rate</i>	Not available
- <i>Flammability of solids and gases:</i> <i>Lower Limit:</i> <i>Upper Limit:</i>	Not available Not available
- <i>Ignition temperature:</i> <i>Decomposition temperature:</i>	Not determined
- <i>Self-Igniting:</i>	Product is not self-igniting
- <i>Explosion limits:</i> <i>Lower:</i> <i>Upper:</i>	Not available Not available
<i>Oxidising properties</i>	Not available
- <i>Explosive properties</i>	Not available
- <i>Vapour pressure:</i>	Not available
- <i>Vapour density:</i>	Not available
- <i>Relative density</i>	Not available
- <i>Solubility:</i>	Not available
- <i>Partition coefficient: n-octanol/water:</i>	Not available
- <i>Viscosity:</i> <i>Dynamic:</i> <i>Kinematic:</i>	Not available Not available

9.2. Other information.

- VOC (Directive 1999/13/EC)	0
- VOC (volatile carbon)	0

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SECTION 10. Stability and reactivity.

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials.

Information not available.

10.6. Hazardous decomposition products.

Information not available.

SECTION 11. Toxicological information.

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

11.1. Information on toxicological effects.

Information not available.

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewer contaminate soil or vegetation.

12.1. Toxicity.

Information not available.

12.2. Persistence and degradability.

Information not available.

12.3. Bioaccumulative potential.

Information not available.

12.4. Mobility in soil.

Information not available.

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12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways.

Solid residues may be suitable for disposal in an authorised landfill site.

- Contaminated packaging

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), o International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

SECTION 15. Regulatory information.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

- Seveso category.

None.

- Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

None.

- Substances in Candidate List (Art. 59 REACH).

None.

- Substances subject to authorisation (Annex XIV REACH).

None.

- Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

- Substances subject to the Rotterdam Convention:

None.

- Substances subject to the Stockholm Convention:

None.

- Healthcare controls.

Information not available.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

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SECTION 16. Other information.

- Legend:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration - PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

- General Bibliography

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website

- Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.