



Safety Sheet and Registration at the German Federal Environmental Agency

Pro Odeur Plus

Odour Absorber with Biological Degredation Properties

Emergency Phone: +49 (0) 172/36 12 656

Status: 1.8.2011



ABOUT THE UDO OELER PRODUCT AND SERVICE LINE:

Odour absorber with biological degradation properties

Natural concentrates are used for an odour reduction and dust binding with biological degradation properties. These degradable substances are harmless for human, animal and environment.

The technology has been developed to solve special existing problems. On account of the compounds of odour absorbers and the specially developed technology, arising problems of odours and dust binding will be eliminated in a rapid and effective manner.

This, however, is dependent on the problems to be solved.

The scope of my activity is:

- Consultancy to solve problems in the range of odours and dust binding
- Technical development and installation of plants to reduce odours and dust binding
- Leasing of plants to reduce odours and dust binding
- Re-activation and treatment of biofilters
- Sale of biologically degradable products
- Services in the above mentioned range

The odour absorber is recommended to be used with problems in:

- Compost plants
- Sewage treatment plants
- Landfills
- Water treatment
- Transport and distribution by trucks
- Paper plants
- Biogas plants
- Biofilter
- Grease separator
- Slaughterhouses
- Hospitals
- Hotel outdoor facilities
- Carcass disposal plants
- Wood and rubbish recycling plants
- Re-development of soils

Solutions:



- a) Mobile and stationary plants (manually operated)
- b) Mobile and stationary plants (semi-automatic and fully automatic operation)
- c) Smallest biofilter for pumping stations, tanks etc.



Pro Odeur plus

Odour absorber with biological degradation properties

Product information:

Main areas for utilisation are locations and processes where ill-smelling odours arise.

Like e.g., in composting plants during turning of windrows, comminution of grass, leaves and fruit, when handling the biobin, in the neighbourhood of compost treatment halls and intensive decomposition.

Further utilisations are:

- transporting household wastes
- in the acceptance area and other exposed areas of landfills accepting household wastes
- in the range of waste sorting plants
- sewage plants with activated sludge processes, treatment and disposal of sewage sludge
- in other facilities (acceptance areas, transport area) e.g. carcass disposal plants and others.

The product consists of both physical / chemical components, masking the odour molecules (reversibly fixed), and of a defined population of micro-organisms (10 KbE/ml of bacillus subtiles, B. amyloliquifaciens), which can be allocated to risk group 1 and are not pathogenic for humans and animals. The micro-organisms degrade the fixed pollutant molecules to CO₂ and water.

Application:

The product is diluted with water according to the utilization factor by 1:1000 and more and distributed as a fine mist with a spraying implement over the exposed area or material.

- Shake well before using.
- The utilization of Pro Odeur is harmless for humans and animals.
- A simultaneous application of disinfecting and bacteriostatic agents should be avoided.

Ingredients:

Micro-organisms of risk group 1, not ionic and anionic tensides, perfumes.

Registered at the Federal Environmental Agency (Germany): 5669 0004



Translation of the German Document

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EU Safety sheet according to 91 / 155 / EWG

Pro Odeur plus

1. Name of material / preparation and company

1.1 Name of material or preparation: Product name: Pro Odeur (plus)

1.2 Information as to manufacturer/distributor:

Manufacturer: C & PD Umwelttechnik Oelzschau GmbH
Thomas-Müntzer-Str. 6
04579 Espenhain OT Oelzschau
GERMANY
Tel.: +49 (0) 343 47/510 25
Emergency phone: +49 (0) 172 / 3612656

2. Composition / details of components

2.1 Description
Liquid solution of micro-organisms, poly-hydric alcohols, anionic and not anionic agents, thickening agent

3. Possible dangers

3.1 Special information of danger - none

3.2 Danger symbols - none

4. First aid measures

4.1 General information
4.2 First aid at external damages
Change moist clothes. Rinse moist skin with a lot of water.
At contact with eyes, rinse with a lot of water and visit a doctor.
4.3 First aid at inner damages
visit a doctor immediately



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5. Measures for fire-fighting

- 5.1 Suitable extinguishing agents
CO₂, foam, water

6. Measures at accidental release

- 6.1 Taking up by mechanical means. Smaller amounts should be flushed away with water.

7. Handling and Storage

- 7.1 Handling: Take usual precautions
7.2 Storage: packing drums must be stored closed and cold

8. Exposition limitation and personal protection gear

- 8.1 Components with limit values to be monitored related to working places
No MAK-value (maximal working-place concentration)
8.2 Personal protection gear
No respiratory protection necessary

9. Physical and chemical properties

- 9.1 Appearance/Odour
- | | |
|----------------------------|--------------|
| 9.1.1 Aggregate condition: | liquid |
| 9.1.2 Colour: | light yellow |
| 9.1.3 Odour: | aromatic |
- 9.2 Change of state
- | | |
|----------------|----------------------------------|
| Melting point: | not defined - boiling point 105° |
|----------------|----------------------------------|
- 9.3 Ignition point: not defined
- 9.4 Ignition temperature: not defined
- 9.5 Explosion limits
- | | |
|---|-------------|
| UEG = lower explosion limit of mixtures | not defined |
| OEG = upper explosion limit of mixtures | not defined |
- 9.6 Steam pressure: not defined
- 9.7 Density: 1.03 g / ccm, bulk density not defined
- 9.8 Solubility: fully soluble
- 9.9 pH-value: 6.8 - 7.5



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| | | |
|------|---------------------------|-------------|
| 9.10 | Distribution coefficient: | not defined |
| 9.11 | Viscosity: | not defined |
| 9.12 | Refraction index: | not defined |

10. Stability and reactivity

| | | |
|------|--------------------------------|--|
| 10.1 | Stability | no degradation with correct storage and handling |
| 10.2 | Conditions to be avoided: | frost-free storage |
| 10.3 | Material to be avoided: | not known |
| 10.4 | Dangerous degradation products | none |

11 Data about toxicology

| | | |
|------|----------------------------|---|
| 11.1 | General toxicological data | not pathogenic, micro-biological product produced by biotechnological mode. Micro-organisms from natural sources. Group I. |
|------|----------------------------|---|

12. Data about ecology

without risk to the health, for animals, plants and environment.
Water endangerment category 1 (self assessment)

13. Information about disposal

| | |
|------|---|
| 13.1 | Product corresponding to the local directives |
| 13.2 | Packaging corresponding to local directives |

14. Information about transporting

| | |
|------|------------------------------------|
| 14.1 | Other information: no restrictions |
|------|------------------------------------|



15. Specifications

15.1 Specifications according to EG Directives

- | | |
|--------|---|
| R-sets | 36- affects the eyes |
| S-sets | 26- at contact with eyes, wipe the eyes with water immediately and consult the doctor |
| | 28.1- contact with skin, wash with much water |
| | 37- When working wear appropriate protective gloves |

16. Other statements

The statements above are subject to our own knowledge and are no assurance of properties.

Actual ordinances and regulations must be observed by the consignee of our products at his own responsibility.

Oelzschau, 07/08/2008



**Translation of the Registration Document at the German Environmental Protection Agency.
Original document see next page**

| | | |
|---|--|---|
| Umweltprüfung Arzneimittel, Wasch- und Reinigungsmittel | | Umwelt Bundes Amt |
| Umweltbundesamt IV 1.2 - Postfach 1406 - 06813 Dessau Firma C & PD Umwelttechnik Oelzschau GmbH Herrn Dr. Reiner Claus Thomas-Müntzer-Str. 6 04579 Oelzschau | Datum: Bearbeiterin Tel.-Durchwahl: Fax: Geschäftszeichen: | Dessau, den 07.08.2007 Fr. Kramer 0340/ 2103-2532 0340/ 2104-2532 IV 1.2 - 20113-1/5669 |
| Mitteilungen gem. § 9 Wasch- und Reinigungsmittelgesetz (WRMG) Ihr / Ihre Schreiben / Sendung vom 27.01.2004 und 26.04.2005 | | |
| Sehr geehrte Damen und Herren, | | |
| wir bestätigen Ihnen den Eingang Ihrer Mitteilung(en) mit der/den Anmelde(n)nummer(n) | | |
| 56690004 , -0007 und -0008 | | |
| und können die Registrierung der zur Anmeldung gebrachten Produkte hiermit abschließen. | | |
| Ihre Mitteilungen entsprechen den nach § 9 Abs. 2 (Nr. 1 - 6) Wasch- und Reinigungsmittelgesetz geforderten Regelmittlungen (Grundmittlungen), die in der Verfahrensregelung vom 25.02.1989 (Punkt 4.2.1) im Einzelnen aufgeführt sind. | | |
| Mit freundlichen Grüßen Im Auftrag | | |
| Beate Kramer Umweltbundesamt FG IV 1.2 Postfach 1406 06813 Dessau | | |



Information project following § 9 Detergent Law (WRMG)

Your letter of 01/27/2004 and 04/2620/05

Dear Madam, dear Sirs,

We herewith confirm receipt of your information with the application no.

56690004, -0007 and -0008,

and can conclude registration of the products for which application has been asked for.

Your information are corresponding to the regulatory information (reasons) according to the Detergent Law which are listed individually in the process regulation of 02/25/1989 (item 4.2.1).

With kind regards

Federal Office of the Environment

Beate Kramer