

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** **PERGASLOW PK-100**
- **Application of the substance / the preparation**
Inhibitor
For industrial use
- **Manufacturer/Supplier:** PERGAN GmbH
Hilfsstoffe für industrielle Prozesse
Schlavenhorst 71
D-46395 Bocholt
Tel: +49 2871 9902-0
Fax: +49 2871 9902-50
- **Further information obtainable from:** Environment protection / Security of labour
Competent person:
* Kathrin Bohland (Sales) e-mail: k.bohland@pergan.com
* Christoph Wilting (Environment protection / Security of labour) e-mail: c.wilting@pergan.com
- **Information in case of emergency:** - Tel: +49 2871 9902-0

2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:** The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:** The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

*** 3 Composition/information on ingredients**

- **Chemical characterization**
- **Dangerous components:** Not applicable
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

· **Components:**

| | | |
|--|----------------------------|------|
| CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 05-2116407468-42-0000 | 2,6-di-tert-butyl-p-cresol | >98% |
|--|----------------------------|------|

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Clean with water and soap. If possible, also wash with polyethylene glycol 400.
If skin irritation continues, consult a doctor.
Immediately remove contaminated clothing.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards caused by the substance, its products of combustion or resulting gases:** Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information** Self-protection first!

6 Accidental release measures

- **Person-related safety precautions:** Not required.

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· **Measures for environmental protection:**



Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/ collecting:**
· **Additional information:**

Pick up mechanically.
No dangerous substances are released.

7 Handling and storage

· **Handling:**

· **Information for safe handling:** No special precautions are necessary if used correctly.
Thorough dedusting.
Before break and at the end of work hands should be thoroughly washed.
While using do not eat, drink or smoke.



Do not smoke.

· **Information about fire - and explosion protection:**

Protect against electrostatic charges.



Keep ignition sources away - Do not smoke.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Store away from foodstuffs, drinks and feeding stuffs.
· **Further information about storage conditions:** None.
· **Recommended storage temperature (To maintain quality):** 0 +30°C
· **Storage class:** 11 "Combustible solids" (VCI Guideline)

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

128-37-0 2,6-di-tert-butyl-p-cresol

WEL (Great Britain) Long-term value: 10 mg/m³

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**
· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

· **Respiratory protection:**

Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.



Filter P2

· **Protection of hands:**



Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

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9 Physical and chemical properties

| | |
|--|---|
| · General Information | |
| · Form: | Solid Crystalline |
| · Colour: | Colourless |
| · Odour: | Characteristic |
| · Change in condition | |
| · Melting point/Melting range: | 69°C |
| · Boiling point/Boiling range: | 265°C |
| · Flash point: | 127°C |
| · Decomposition temperature: | >265°C |
| · Self-igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/dust mixtures are possible. |
| · Density at 20°C: | ca. 1.03 g/cm ³ |
| · Bulk density at 20°C: | ca. 650 kg/m ³ |
| · Solubility in / Miscibility with | |
| · water at 20°C: | 0.0011 g/l |
| · Segregation coefficient (n-octanol/water): 5.1 log POW | |

10 Stability and reactivity

- Dangerous reactions No dangerous reactions known.
- Dangerous decomposition products: No hazardous decomposition products if used and stored according to specifications.

11 Toxicological information

· Acute toxicity:

| | |
|---|--------------------------------|
| · LD/LC50 values relevant for classification: | |
| 128-37-0 2,6-di-tert-butyl-p-cresol | |
| Oral | LD50 760 mg/kg (rattus) |
| Dermal | LD50 >2000 mg/kg (cuniculosus) |

· Primary irritant effect:

- on the skin: Low irritant effect
- on the eye: Low irritant effect
- Sensitization: No sensitizing effects known.

· Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

· Ecotoxicological effects:

| | |
|--|--------------------------------------|
| · Aquatic toxicity: | |
| 128-37-0 2,6-di-tert-butyl-p-cresol | |
| EC50 / 72h | >0.42 mg/l (scenedesmus subspicatus) |
| LC50 / 48h | ≥0.31 mg/l (daphnia magna) |
| LC50 / 96h | ≥0.57 mg/l (brachydanio rerio) |

- General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13 Disposal considerations

- **Product:**
- **Waste disposal key:** Please contact your hazardous waste disposers to assign the right EWC-(European waste catalog)-number.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Transport/Additional information:** No dangerous good according the regulation of transport.

* 15 Regulatory information

- **Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- | |
|---|
| · Substance of High Concern = SVHC |
| None of the ingredients is listed. |

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Environment protection / Security of labour
- **Contact:** Tel: +49 2871 9902-0
E-mail: mail@pergan.com
- *** Data compared to the previous version altered.**