


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

- **Product details**
- **Trade name:** **PERGASLOW BK-10**
- **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:**
 -  C Corrosive
- **Information concerning particular hazards for human and environment:**
 - The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 - R 34 Causes burns.
 - R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **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:**

CAS: 84-69-5 EINECS: 201-553-2 Reg.nr.: 05-2116407342-58-0000	diisobutyl phthalate		80-90%
CAS: 98-29-3 EINECS: 202-653-9 Reg.nr.: 05-2116407354-53-0000	4-tert-butylpyrocatechol	C, Xn, N; R 21/22-34-51/53	5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product. Take care of personal protection for the first aider.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation. Take affected persons into fresh air and keep quiet.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly. Immediately remove contaminated clothing.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.


5 Fire-fighting measures

- **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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!

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6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Soak up with absorbant material (e. g. Vermiculit) and dispose of in accordance with government regulations.
- **Additional information:** In case of large spillage the environmental authority should be informed.

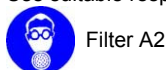
7 Handling and storage

- **Handling:** Pay attention to the special requirements of your local authorities for handling with dangerous goods.
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
Use only in well ventilated areas.
Before break and at the end of work hands should be thoroughly washed.
Avoid contact with skin and eyes.
While using do not eat, drink or smoke.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:** Pay attention to the special requirements of your local authorities for storing dangerous goods.
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
Use only receptacles specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Store away from foodstuffs, drinks and feeding stuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
Store under lock and key and out of the reach of children.
- **Recommended storage temperature (To maintain quality):** 0 +30°C
- **Storage class:** -

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: | |
| 84-69-5 diisobutyl phthalate | |
| WEL (Great Britain) | Long-term value: 5 mg/m ³ |
- **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.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Use skin protection cream for skin protection.
Be sure to clean skin thoroughly after work and before breaks.
- **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Use suitable respiratory protective device in case of insufficient ventilation.



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- **Protection of hands:** Only use chemical-protective gloves with CE-labelling of category III.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves** Protective 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.
 Butyl rubber, BR
 Fluorocarbon rubber (Viton)
 Nitrile rubber, NBR
 Neoprene
- **Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**  Tightly sealed goggles
- **Body protection:** Protective work clothing

*** 9 Physical and chemical properties**

· General Information	
· Form:	Fluid
· Colour:	colourless - yellowish
· Odour:	Characteristic
· Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.
· Flash point:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	1.045 g/cm ³
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· pH-value (330 g/l) at 20°C:	4.4
· Segregation coefficient (n-octanol/water): not determined	
· Viscosity:	
· Dynamic:	70 mPas

10 Stability and reactivity

- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No hazardous decomposition products if used and stored according to specifications.
- **Additional information:** Emergency procedures will vary depending on conditions. The customer should have an emergency response plane in place.

11 Toxicological information

· **Acute toxicity:**

· LD/LC50 values relevant for classification:		
84-69-5 diisobutyl phthalate		
Oral	LD50	15000 mg/kg (rattus)
98-29-3 4-tert-butylpyrocatechol		
Oral	LD50	1331 mg/kg (rattus)
Dermal	LD50	815 mg/kg (rattus)

- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Corrosive
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

· **Ecotoxicological effects:**

· **Aquatic toxicity:**

84-69-5 diisobutyl phthalate

EC50 / 24h 2.2 mg/l (scenedesmus subspicatus)

LC50 / 96h 3 mg/l (cyprinus carpio)

98-29-3 4-tert-butylpyrocatechol

EC50 / 48h 1-10 mg/l (daphnia magna)

· **Remark:**

Harmful to fish

· **General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Harmful to aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

· **Product:**

· **Recommendation**



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Waste disposal key:**

Please contact your hazardous waste disposers to assign the right EWC-(European waste catalog)-number.

· **Uncleaned packaging:**

· **Recommendation:**

This material and its container must be disposed of as hazardous waste.

14 Transport information

· **Transport/Additional information:**

No dangerous good according the regulation of transport.

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**



C Corrosive

· **Hazard-determining components of labelling:**

4-tert-butylpyrocatechol

· **Risk phrases:**

34 Causes burns.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

23 Do not breathe gas/fumes/vapour/spray.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

· **Please note:**

Take care of the respective local regulations.

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· **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.

· **Relevant R-phrases**

21/22 Harmful in contact with skin and if swallowed.

34 Causes burns.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **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.**