

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 13.06.2007

Revision: 13.06.2007

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

- Product details

- Trade name: BURAKTIV

- Application of the substance / the preparation

Laundry aid
for professional use

- Manufacturer/Supplier:

BurnusHychem GmbH
Karl-Winnacker-Str. 22
D-36396 Steinau an der Straße
Telefon: +49-66 63-976-100

Telefax: +49-66 63-976-101

- Further information obtainable from: Telefon: +49-66 63-976-100

- Information in case of emergency:

Beratungsstelle bei Vergiftungen, Universitätsklinikum Mainz
Telefon: 06131-19240

2 Hazards identification

- Hazard description:

Xi Irritant

- Information concerning to particular hazards to man 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 41 Risk of serious damage to eyes.

- 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

- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 10486-00-7 EINECS: 234-390-0	sodium peroxoborate monohydrate	Xi; R 36	≥30%
CAS: 13870-28-5 EINECS: 237-623-4	disodium disilicate	Xi; R 41	15-30%
CAS: 497-19-8 EINECS: 207-838-8 EU Number: 011-005-00-2	sodium carbonate	Xi; R 36	5-15%
CAS: 57-55-6 EINECS: 200-338-0	propane-1,2-diol		<5%

- Regulation (EC) No 648/2004 on detergents:

oxygen-based bleaching agents	≥ 30%
phosphonates	< 5%
optical brighteners, LIMONENE	

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

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4 First-aid measures

- **General information:** Remove any clothing soiled by the product.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** After contact with skin, wash with plenty of water.
- **After eye contact:**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If swallowed, do not induce vomiting: seek medical advice and show this container or label.

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:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Never replace spilled product into original containers (danger of decomposition).
Flush away residues with plenty of water.
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Prevent formation of dust.
Protect from contamination and incompatible substances (see item 10)
- **Information about fire - and explosion protection:**
May be oxidizing by development of oxygen.
Keep away from heat and direct sunlight.
Keep away from combustible material.
Protect from humidity and water.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.

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- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in a cool place.
Store under lock and key and out of the reach of children.

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:	
57-55-6 propane-1,2-diol	
WEL (Great Britain)	474* 10** mg/m ³ , 150* ppm
	*total vapour and particulates **particulates

- **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.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

- **Respiratory protection:** When dust is formed: Use a breathing protection

- **Protection of hands:**

Protective gloves on prolonged contact with skin.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **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:** Tightly sealed goggles

9 Physical and chemical properties

- **General Information**

Form:	Powder
Colour:	White
Odour:	Perfumed

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- **Flash point:** Not applicable.

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- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:**
- **Bulk density at 20°C:** 750 kg/m³
- **Solubility in / Miscibility with water at 20°C:** 100 g/l
- **pH-value (10 g/l) at 20°C:** 11

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Protect from heat and direct sunlight.
- **Decomposition starts at:** 60 °C (exothermic)
- **Materials to be avoided:**
Contaminations, metal-ions, metal-salts, metals, alkalis, acids, reducing agents (danger of decomposition); combustible materials (danger of combustion)
- **Dangerous reactions** No dangerous reactions if used and stored according to specifications.
- **Dangerous decomposition products:**
No dangerous products of decomposition if used and stored according to specifications.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Frequent and/or persistent contact with skin may cause skin irritation.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **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:
Irritant
No experimentally found toxicological data are available for this preparation.

12 Ecological information

- **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.

13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -

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:

Xi Irritant

- Risk phrases:

41 Risk of serious damage to eyes.

- Safety phrases:

3 Keep in a cool place.

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

39 Wear eye/face protection.

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

- National regulations:**- Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

36 Irritating to eyes.

41 Risk of serious damage to eyes.

- Department issuing MSDS: info@chemie1.de