

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006



Trade name: Krups Cleaning tablets XS3000
Creation date:
Revision date: 2010-12-01 Version: 3/En
Print date: 2010-12-10

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

Identification of the substance or preparation

Product No: PN 044, PN 045
Trade name: Krups Cleaning tablets XS3000

Use of the substance/preparation

Cleaning tablets for fully automatic coffee machines

Company/undertaking identification

Manufacturer

Oxytabs Tablettenproduktion GmbH
Suhmsberg 40, D-24768 Rendsburg

Contact for technical information

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D-14059 Berlin, Tel. +49 (0)30 30 68 67 90
Switzerland: Swiss Toxicological Information Centre
CH-8028 Zürich, Tel. +41 (0)44 2 51 51 51 o 1 45

2. Hazards identification

Classification

Danger term: Irritant (Xi)
R phrases: Irritating to eyes. (R36)

Hazards to man and environment

No data available.

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3. Composition/Information on ingredients

Chemical characterization

Mild alkaline tablet

Hazardous ingredients

Name of ingredient	EC No	CAS No	Concentration	Classification
Potassium Monopersulfate	274-778-7	70693-62-8	> 30 %	Xi; R36/38
Sodium percarbonate	239-707-6	15630-89-4	5 – 15 %	Xn, Xi, O; R8-22-41

The full text of the relevant risk phrases is listed in heading 16.

4. First aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately (show this safety data sheet where possible). See also data under section 1.

Inhalation

Not applicable.

Skin contact

Remove contaminated clothing. After contact with skin, wash immediately with plenty of water.

Eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 15 minutes. Subsequently consult an ophthalmologist.

Ingestion

In case of ingestion rinse mouth immediately and let plenty of water be swallowed in little sips. If irritation persists, seek medical advice.

5. Fire-fighting measures

Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which shall not be used for safety reasons

No data available.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

No data available.

Special protective equipment for fire-fighters

Protective clothing.

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6. Accidental release measures

Personal precautions

See protective measures under point 7 and 8.

Environmental precautions

No special environmental protection measures are necessary when released in retail quantity. Do not empty large quantities into drains or the aquatic environment.

Methods for cleaning up

Take up carefully abraded product (dust) or tablets when dry. Wash dissolved product with plenty of water.

Additional information

No data available.

7. Handling and storage

Handling

When preparing the solution, avoid contact with skin and eyes.

Storage

Keep container tightly closed. Store in a cool and dry place.
Protect from atmospheric moisture and water.
Storage class acc. to VCI: 13 (Non-combustible solids)
Keep away from food, drink and animal feedingstuffs.

8. Exposure controls/personal protection

Exposure limit values

Not defined. The ingredients are not listed under the occupational exposure limits in Germany (AGW) and in MAC table of SUVA (Switzerland).

Occupational exposure controls

Personal protective equipment

No protective equipment required in case of contact with retail quantities.

In case of handling larger quantities:

Respiratory protection: Provide adequate ventilation. No personal respiratory protection required.

Hand protection: Wear suitable gloves if hands can get wet or moist. (Recommended material: nitrile acc. to EN 374-3)

Eye protection: When used according to regulations no eye protection required. In case of handling in great quantities: Eye glasses with side protection.

Skin protection: Protective clothing for the protection against direct skin contact.

Environmental exposure controls

See sections 6 and 7. No further measures required.

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9. Physical and chemical properties

General information

Physical state: solid
Form: tablet, round, with facet
Colour: white
Odour: neutral

Important health, safety and environmental information

pH (1 tablet/250 ml): approx. 8 for 20 °C, 12 °dH
Water solubility: completely soluble
Dissolving time (1 tablet/250 ml): < 5 minutes for 80 °C, 12 °dH

10. Stability and reactivity

Conditions to avoid

No decomposition if stored as recommended, see heading 7.

Materials to avoid

Do not mix with other substances.

Hazardous decomposition products

None if used according to regulations.

11. Toxicological information

Toxicological Tests

No toxicological data available for the product.

Information on ingredients

Potassium Monopersulfate:	LD50 (oral, rat)	1000 - 2000 mg/kg
	LD50 (dermal, rabbit)	> 2000 mg/kg
Sodium percarbonate:	LD50 (oral, rat)	1034 mg/kg
	LD50 (dermal, rabbit)	> 2000 mg/kg

Irritation and corrosivity:

The product is classified as irritant, i. e., short, frequently or prolonged contact with skin or mucous membrane may cause inflammations.

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12. Ecological information

Ecotoxicity

Not data on the product available.

Information on the ingredients

Potassium Monopersulfate

Acute fish toxicity:	LC50 (96 h)	53 mg/l
Aquatic invertebrates:	Daphnia / EC50 (48 h)	5.3 mg/l

Sodium percarbonate

Acute fish toxicity:	Pimephales promelas / LC50 (96 h)	70.7 mg/l
Aquatic invertebrates:	Daphnia pulex / EC50 (48 h)	4.9 mg/l

Persistence and degradability

The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Bioaccumulative potential

No data available.

Other adverse effects

No data available.

13. Disposal considerations

Substance preparation

Remove according to the regulations.

Waste code according to European Waste List (EWL) and Ordinance on the transport of special wastes (VeVA)

Substance/preparation:	EAV code 20 01 29 – detergents containing dangerous substances
Packaging:	EAV code 15 01 06 – mixed packaging

Packaging

Cleaned containers may be recycled. Recommended cleaning agent: water.

14. Transport information

No hazardous material according to the transport regulations (ADR/RID/ADNR/IMDG/IATA/DGR).

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15. Regulatory information

Labelling (1999/45/EC)

Symbol: Xi - irritant



Risk phrases:

36 Irritating to eyes.

Safety phrases:

02 Keep out of the reach of children.

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

46 If swallowed, seek medical advice immediately and show this container or label.

Labelling for contents according to regulation (EC) No 648/2004, annex 7:

oxygen-based bleaching agents >30 %; anionic surfactants < 5 %

National laws (Germany)

Water hazard class (WGK):

Weakly water-endangering (WGK 1). Classification according VwVwS, Annex 4, No. 3, 17.05.1999

16. Other information

Relevant R phrases

08 Contact with combustible material may cause fire.

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

36/38 Irritating to eyes and skin.

Changes to the last version

Changes in sections 1, 3, 8, 11, 12, 15, 16.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.