

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006



Trade name: Jura Descaling tablets
Creation date:
Revision date: 18.03.2011 Version: 3/En
Print date: 03.05.2011

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

Identification of the substance or preparation

Product N°: PN 022J, 023E, 023F, 023S, 023M, 025S
Trade name: Jura Descaling tablets

Use of the substance/preparation

Descaling 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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Distributor

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Emergency telephone

Germany: Institut für Toxikologie
D-14059 Berlin, Tel. +49 (0)30 30686790
Switzerland: Schweizerisches Toxikologisches Informationszentrum
CH-8028 Zürich, Tel. +41 (0)44 2515151 or 145
Austria: Vergiftungs-Informationszentrale in Österreich
A-1090 Wien, Tel. +43(0)1 406 43 43

2. Hazards identification

Classification

Harmful
Harmful if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact.
Classification: Xn; R22, R36/38-43

Hazards to man and environment

With moisture, product develops an acidic pH value and can cause irritation. For pH see chapter 9.

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3. Composition/Information on ingredients

Chemical characterization

Acid tablet.

Hazardous ingredients

Name of ingredient	EC No	CAS No	Concentration	Classification
Maleic acid	203-742-5	110-16-7	> 30 %	Xn; R22-36/37/38-43
Sulphamidic acid	226-218-8	5329-14-6	< 25 %	Xi; R36/38-52/53
Benzotriazole	202-394-1	95-14-7	< 5 %	Xn; R20/22-36

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). Refer also to section 1.

In case of inhalation

Provide fresh air.

In case of skin contact

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

In case of 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.

In case of ingestion

In case of ingestion rinse mouth immediately and drink plenty of water. Do not induce vomiting. If irritation persists: Seek medical advice.

5. Fire-fighting measures

Suitable extinguishing media

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

Observe protective measures according to sections 7 and 8.

Environmental precautions

No special environmental measures are necessary in case of retail quantities.

Methods for cleaning up

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

Additional information

No data available.

7. Handling and storage

Handling

Do not breathe abraded product (dust). When preparing the solution, avoid contact with eyes and skin.

Storage

Keep container tightly closed. Store in a cool and dry place.

Protect against 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 determined. Does not contain substances above concentration limits according to the AGW (occupational exposure limit value, Germany) and MAK Switzerland.

Occupational exposure controls

Personal protection equipment

Respiratory protection: Wear respiratory protection when in the presence of dust.

Hand protection: Wear protective gloves. (Suitable material: nitrile rubber according to DIN 374-3)

Eye protection: In case of proper application no eye protection required. In case of handling in great quantities of dissolved product: 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
Appearance: Tablet, flat, square
Colour: white
Odour: neutral

Important health, safety and environmental information

pH (1 tabl./250 ml) for 25 °C, 12 °dH: < 2
Water solubility: completely soluble
Dissolution time (1 tabl./250 ml) for 30 °C: < 5 minutes

10. Stability and reactivity

Conditions to avoid

None if used as prescribed.

Materials to avoid

Do not mix with other substances.

Hazardous decomposition products

None if stored as prescribed, see section 7.

11. Toxicological information

Toxicological data

No data available for the product.

Information on ingredients

Maleic acid:	LD50 (oral, rat)	708 mg/kg (IUCLID)
	LD50 (dermal, rabbit)	1560 mg/kg (IUCLID)
Sulphamidic acid:	LD50 (oral, rat)	3160 mg/kg (IUCLID)

Irritation and corrosivity

The product is classified as irritant, i. e., short, frequently or prolonged contact with skin or mucous membrane may cause inflammations. Danger of serious damage to health by prolonged exposure if swallowed.

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12. Ecological information

Ecotoxicity

No toxicological data available for the product.

Data on ingredients

Sulphamidic acid:	Fish toxicity:	Pimephales promelas/LC50 (96 h)	70,3 mg/l (IUCLID)
Maleic acid:	Fish toxicity:	Pimephales promelas/LC50 (96 h)	5 mg/l (IUCLID)
	Daphnia toxicity:	Daphnia magna/EC50 (48 h)	316 mg/l (IUCLID)

Persistence and degradability

Biologically degradable according to the Washing- and Cleaning Agents Act (WRMG – German Law).

Bioaccumulative potential

No data available for the product.

Other adverse effects

No data available for the product.

13. Disposal considerations

Substance/preparation

Remove according to the regulations.

Waste code according to European Waste Code

Substance/preparation: 20 01 29 – cleaning agents containing hazardous ingredients
Packaging: 15 01 06 – mixed packagings

Packaging

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

14. Transport information

Not a hazardous material with respect to these transportation regulations (ADR/RID/ADNR/IMDG/IATA/DGR).

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15. Regulatory information

Symbol: Xn - harmful



Hazardous component(s) for labelling:

Contains maleic acid.

Risk phrases:

22 Harmful if swallowed.
43 May cause sensitisation by skin contact.
36/38 Irritating to eyes and skin.

Safety phrases:

2 Keep out of the reach of children.
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37 Wear suitable gloves.
46 If swallowed, seek medical advice immediately and show this container or label.

National regulations (Germany)

Water hazard class (WGK): Weakly water-endangering (WGK 1). Classification according VwVwS, Annex 4, No. 3

16. Other information

Relevant R phrases

22 Harmful if swallowed.
36 Irritating to eyes.
43 May cause sensitisation by skin contact.
20/22 Harmful by inhalation and if swallowed.
36/38 Irritating to eyes and skin.
36/37/38 Irritating to eyes, respiratory system and skin.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Changes to the last version

Changes in sections 2, 3, 11, 12, 15, and 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.