

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006



Trade name: Jura Descaling tablets
Creation date:
Revision date: 23.01.2008 Version: 2/En
Print date: 06.06.2008

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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

Jura Elektroapparate AG CH – 4626 Niederbuchsiten Tel. +41 (0)62 389 81 81	Jura Elektrogeräte Vertriebs-GmbH D – 90268 Nürnberg Tel.: +49 (0)911 25 25-0
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Emergency telephone

Germany:	Institut für Toxikologie D – 14059 Berlin, Tel. +49 (0)30 19240
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.
Classification: Xn; R22, R36/38

Hazards to man and environment

Due to its pH value (see chapter 9), irritation of the skin and eyes cannot be ruled out.

Other hazards

No data available.

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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
Sulphamidic acid	226-218-8	5329-14-6	15 – 30 %	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

Remove contaminated, saturated clothing immediately.

In case of inhalation

Provide fresh air.

In case of skin contact

After contact with skin, wash immediately with plenty of water.

In case of eye contact

In case of contact with eyes, rinse immediately thoroughly with plenty of water and consult an ophthalmologist.

In case of ingestion

In case of ingestion rinse mouth immediately and drink plenty of water.

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

No data available.

Environmental precautions

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

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

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.

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

Does not contain substances above concentration limits according to the AGW (occupational exposure limit value, Germany).

Occupational exposure controls

Personal protection equipment

In the case of contact with retail quantities no protection is required.

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

Hand protection: By long-term hand contact: One-time gloves. (Suitable material: nitrile)

Eye protection: 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

No data available.

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9. Physical and chemical properties

General information

Appearance: Tablet, white, flat, square
Odour: neutral

Important health, safety and environmental information

pH value (1 tabl./0.1 l) for 25 °C, 12 °dH: < 2
Water solubility: completely soluble
Dissolution time (1 tabl./0.1 l) 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 used as prescribed.

11. Toxicological information

Information on ingredients

Maleic acid: LD50 (oral, rat) 708 mg/kg
Sulphamidic acid: LD50 (oral, rat) 1600 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. Danger of serious damage to health by prolonged exposure if swallowed.

12. Ecological information

Ecotoxicity

According to the present state of knowledge negative ecological effects are not expected if released in retail quantities.

Persistence and degradability

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

Bioaccumulative potential

No data available.

Other adverse effects

No data available.

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13. Disposal considerations

Waste code according to regulation AVV (Germany)

Substance/preparation: Waste code 20 01 29 – cleaning agents containing hazardous ingredients.
Packaging: Waste code 15 01 06 – mixed packagings.
Completely emptied packings can be re-cycled.

14. Transport information

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

15. Regulatory information

Symbol: Xn - harmful



Risk phrases:

22 Harmful if swallowed.
36/38 Irritating to eyes and skin.

Safety phrases:

02 Keep out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
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

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

Changes to the last version

Adaptation according to REACH regulation (EC) No 1907/2006

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.