SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: JURA Cleaning tablet 2 in 1 (phosphate free)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture
Tablets for cleaning and protecting fully automatic coffee machines

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: -

Supplier:
JURA Elektroapparate AG
CH-4626 Niederbuchsiten
Tel.: +41 (0)62 389 8181

JURA Elektogeräte Vertriebs-GmbH
D-90268 Nürnberg
Tel.: +49 (0)911 25 25 0

Manufacturer:
Oxytabs Tablettenproduktion GmbH
- Member of the Medea Group -
Suhmsberg 40
D-24768 Rendsburg
Germany

Further information obtainable from:
Tel.: +49 4331 69620 0
Fax: +49 4331 69620 22
E-Mail: info@medeagroup.de

1.4 Emergency telephone number:

Giftnotruf der Charité - Universitätsmedizin Berlin
D-13437 Berlin
Tel.: +49 30 30686 700
Tox Info Suisse
CH-8032 Zürich
Tel.: +41 44 2515151 oder 145
Vergiftungsinformationszentrale Wien
A-1010 Wien
Tel.: +43 1 406 43 43

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: JURA Cleaning tablet 2 in 1 (phosphate free)

Hazard pictograms

GHS07

Signal word Warning

Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.
P305+P351+P338 If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Reg.nr.</th>
<th>Chemical</th>
<th>PBT</th>
<th>vPvB</th>
<th>Concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>497-19-8</td>
<td>207-838-8</td>
<td>01-2119485498-19-xxx</td>
<td>sodium carbonate</td>
<td></td>
<td></td>
<td>25-50%</td>
</tr>
<tr>
<td>15630-89-4</td>
<td>239-707-6</td>
<td>01-2119457268-30-xxx</td>
<td>sodium percarbonate</td>
<td></td>
<td></td>
<td>10-&lt;25%</td>
</tr>
<tr>
<td>151-21-3</td>
<td>205-788-1</td>
<td>01-2119489461-32-xxx</td>
<td>sodium dodecyl sulphate</td>
<td></td>
<td></td>
<td>2.5-&lt;10%</td>
</tr>
</tbody>
</table>

Specific concentration limits
Sodium percarbonate CAS 15630-89-4: Eye Dam. 1: > 25 %; Eye Irrit. 2: ≥ 7.5 - < 25 %
Sodium dodecyl sulphate CAS 151-21-3: Eye Dam. 1: ≥ 20 %; Eye Irrit. 2: ≥ 10 - < 20 %.

Regulation (EC) No 648/2004 on detergents / Labelling for contents
oxygen-based bleaching agents 5-15 %
anionic surfactants 5-15 %

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

SECTION 4: First aid measures

4.1 Description of first aid measures
General information: No special measures required.
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray.
Product itself does not burn.
Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid formation of dust.
Avoid contact with the eyes and skin.

6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:
Pick up mechanically.
Dispose of the material collected according to regulations.
Wash residues with water.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special precautions are necessary if used correctly.
Information about fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Protect from humidity and water.
44.0

Keep container tightly sealed.
Temperature: not permanently above 50 °C.
Air humidity: not above 50 %, if possible.
Temperature changes: not relevant.
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Respiratory protection: Not required.
Protection of hands: Protective gloves
Material of gloves
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.11 mm
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.
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: Wear tightly sealed safety glasses when handling the solution.
Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:
Form: Tablets
Colour: white, blue
Odour: Characteristic
Odour threshold: Not determined.

pH-value: Not applicable.

Change in condition
Melting point/freezing point: Not determined.
Initial boiling point and boiling range: Not determined.
### Flash point:
Not applicable.

### Flammability (solid, gas):
Not determined.

### Ignition temperature:
Not determined.

### Decomposition temperature:
Not determined.

### Auto-ignition temperature:
Product is not selfigniting.

### Explosive properties:
Product does not present an explosion hazard.

### Explosion limits:
- **Lower:** Not determined.
- **Upper:** Not determined.

### Vapour pressure:
Not applicable.

### Density:
- **Relative density:** Not determined.
- **Vapour density:** Not applicable.
- **Evaporation rate:** Not applicable.

### Solubility in / Miscibility with water:
Easily soluble.

### Partition coefficient: n-octanol/water:
Not determined.

### Viscosity:
- **Dynamic:** Not applicable.
- **Kinematic:** Not applicable.

### Solvent content:
- **Organic solvents:** 0.0 %
- **VOC (EC):** 0.00 %

### Solids content:
100.0 %

### 9.2 Other information
No further relevant information available.

### SECTION 10: Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability
Stable if stored according to specifications.

**Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions
No dangerous reactions known.

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials:
No further relevant information available.

10.6 Hazardous decomposition products:
No dangerous decomposition products known.

### SECTION 11: Toxicological information

11.1 Information on toxicological effects

**Acute toxicity**
Based on available data, the classification criteria are not met.
Trade name: JURA Cleaning tablet 2 in 1 (phosphate free)

LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>ATE (Acute Toxicity Estimates)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>3442 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>97087 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Inhalative LC50/4 h</td>
<td>16.4 mg/l</td>
</tr>
</tbody>
</table>

Primary irritant effect:
- Skin corrosion/irritation
  Causes skin irritation.
- Serious eye damage/irritation
  Causes serious eye irritation.
- Respiratory or skin sensitisation
  Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  Germ cell mutagenicity
  Based on available data, the classification criteria are not met.
  Carcinogenicity
  Based on available data, the classification criteria are not met.
  Reproductive toxicity
  Based on available data, the classification criteria are not met.
- Aspiration hazard
  Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

<table>
<thead>
<tr>
<th>15630-89-4 sodium percarbonate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/96h</td>
<td>70.7 mg/l (Pimephales promelas)</td>
</tr>
<tr>
<td>EC50/48h</td>
<td>4.9 mg/l (Daphnia pulex)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>151-21-3 sodium dodecyl sulphate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50/96h</td>
<td>&gt;10-100 mg/l (Pimephales promelas)</td>
</tr>
<tr>
<td>EC50/48h</td>
<td>&gt;1-10 mg/l (Ceriodaphnia dubia)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>497-19-8 sodium carbonate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50/96h</td>
<td>300 mg/l (Lepomis macrochirus)</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
The contained surfactants are easily biodegradable.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

Additional ecological information:

General notes:
- Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects
No further relevant information available.
SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation: Non contaminated packagings may be recycled.

SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA not regulated

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA not regulated

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA Class not regulated

14.4 Packing group
ADR, IMDG, IATA not regulated

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

UN "Model Regulation": not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008 GHS label elements
Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:
The product is subject to be labeled according to the prevailing version of the regulations on hazardous substances.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

(Contd. on page 8)
Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 17.02.2017 Revision: 17.02.2017 Version number 2

Trade name: JURA Cleaning tablet 2 in 1 (phosphate free)

Relevant phrases
H228 Flammable solid.
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: Department R&D
Contact: Dr. Nico Kotzur

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flm. Sol. 1: Flammable solids – Category 1
Ox. Sol. 3: Oxidizing solids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/Irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

* Data changed with respect to previous version.