

## Safety Data Sheet according to WHS Regulations

Printing date: 20.02.2018

Version number 2

Revision: 01.02.2017

### 1 Identification

**Product identifier****Trade name: JURA Milk system cleaner****Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Cleaning liquid for milk systems**Details of the supplier of the safety data sheet****Manufacturer/Supplier: -****Supplier:**

JURA Australia Espresso Pty Ltd  
7-9 Hall Street  
Hawthorn East VIC 3123  
Phone 1300 285 872 (1300 aujura)

**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

**Emergency telephone number:**

Poison Centre Berlin - Emergency call of the Charité  
D-13437 Berlin  
Phone: +49 30 30686 700

Tox Info Suisse  
CH-8032 Zurich  
Phone: +41 442515151

Emergency call Vienna  
A-1010 Vienna  
Phone: +43 1 406 43 43

### 2 Hazard(s) Identification

**Classification of the substance or mixture**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

**Label elements****GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

**Hazard pictograms**

GHS07

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**Signal word** Warning

**Hazard statements**

Causes skin irritation.  
Causes serious eye irritation.

**Precautionary statements**

Keep out of reach of children.  
Wash hands thoroughly after handling.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

**Chemical characterisation: Mixtures**

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

**Dangerous components:**

CAS: 497-19-8	sodium carbonate	≥2.5-<10%
EINECS: 207-838-8	Acute Tox. 4, H312; Eye Irrit. 2A, H319; STOT SE 3, H335	
CAS: 1310-58-3	potassium hydroxide	≥0.5-<2%
EINECS: 215-181-3	Skin Corr. 1A, H314; Acute Tox. 4, H302	

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

### 4 First Aid Measures

**Description of first aid measures**

**General information:** No special measures required.

**After inhalation:** No special measures required.

**After skin contact:** Immediately rinse with water.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

If symptoms persist consult doctor.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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### 5 Fire Fighting Measures

**Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

Product itself does not burn.

Use fire extinguishing methods suitable to surrounding conditions.

**Special hazards arising from the substance or mixture** No further relevant information available.**Advice for firefighters****Protective equipment:** Mouth respiratory protective device.

### 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with the eyes and skin.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Wash residues with water.

**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.

### 7 Handling and Storage

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

Temperature: not above 60 °C and not below -20 °C.

Air humidity: not relevant.

Temperature changes: not relevant.

Keep container tightly sealed.

Protect from heat and direct sunlight.

**Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

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

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### Control parameters

<b>Ingredients with limit values that require monitoring at the workplace:</b>
<b>1310-58-3 potassium hydroxide</b>
WES   Peak limitation: 2 mg/m <sup>3</sup>

**Additional information:** The lists valid during the making were used as basis.

### 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:  $\geq 0.11$  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:** Tightly sealed goggles

**Body protection:** Protective work clothing

## 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance:

<b>Form:</b>	Fluid
<b>Colour:</b>	Clear, yellowish
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

<b>pH-value:</b>	(10 g/l, 20 ° C) 11.0-11.5
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#### Change in condition

<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	Not determined.

<b>Flash point:</b>	Not applicable.
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<b>Flammability (solid, gas):</b>	Not applicable.
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<b>Ignition temperature:</b>	Not determined.
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<b>Decomposition temperature:</b>	Not determined.
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<b>Auto-ignition temperature:</b>	Product is not selfigniting.
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<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density at 20 °C:</b>	1.11 g/cm <sup>3</sup>
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Fully miscible.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC)</b>	0.00 %
<b>Other information</b>	No further relevant information available.

### 10 Stability and Reactivity

**Reactivity** No further relevant information available.

**Chemical stability** Stable if stored according to specifications.

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions** Reacts with strong acids.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

**LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	8000 mg/kg (rat)
Dermal	LD50	11111 mg/kg

**Primary irritant effect:**

**Serious eye damage/irritation** Irritating effect.

**Respiratory or skin sensitisation** No sensitising effects known.

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**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

### 12 Ecological Information

**Toxicity****Aquatic toxicity:**

No further relevant information available.

**497-19-8 sodium carbonate**

EC50/96h | 300 mg/l (Lepomis macrochirus)

**1310-58-3 potassium hydroxide**

LC50/96h | 80 mg/l (Gambusia affinis)

**Persistence and degradability** The contained surfactants are easily biodegradable.**Behaviour in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional 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.

**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.

### 13 Disposal considerations

**Waste treatment methods****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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

### 14 Transport information

**UN-Number**

ADG, ADN, IMDG, IATA

not regulated

**UN proper shipping name**

ADG, ADN, IMDG, IATA

not regulated

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<b>Transport hazard class(es)</b>	
<b>ADG, ADN, IMDG, IATA Class</b>	not regulated
<b>Packing group</b>	
<b>ADG, IMDG, IATA</b>	not regulated
<b>Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	not regulated

### 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>Australian Inventory of Chemical Substances</b>		
497-19-8	sodium carbonate	
1310-58-3	potassium hydroxide	
7732-18-5	water, distilled, conductivity or of similar purity	
<b>Standard for the Uniform Scheduling of Medicines and Poisons</b>		
1310-58-3	potassium hydroxide	S5+ APPENDIX C, S6+APPENDIX C

**GHS label elements** GHS label elements

**National regulations:**

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

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

### 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 phrases**

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

**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)

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IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
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  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**\* Data changed with respect to previous version.**

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