

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date: 16.04.2024

Version number 3.0 (replaces version 2.1)

Revision: 15.04.2024

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

1.1 Product identifier

Trade name: JURA Milk system cleaner (mini tabs)

UFI: DW10-90XW-H000-DFHG

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

Application of the substance / the mixture Cleaning of milk systems

1.3 Details of the supplier of the safety data sheet

Supplier:JURA Elektroapparate AG
CH-4626 Niederbuchsiten
Tel.: +41 (0)62 389 82 33JURA Elektogeräte Vertriebs-GmbH
D-90268 Nürnberg
Tel.: +49 (0)911 25 25 0**Manufacturer:**Oxytabs GmbH
- Member of the Medea Group -
Pellwormer Straße 1
D-24768 Rendsburg
Germany**Further information obtainable from:**Tel.: +49 4331 69620 0
Fax: +49 4331 69620 22
E-Mail: info@oxytabs.de

1.4 Emergency telephone number:

Poison Centre Berlin - Emergency call of the Charité
D-13437 Berlin
Phone: +49 30 30686 700
Emergency call Vienna
A-1010 Vienna
Phone: +43 1 406 43 43
Tox Info Suisse
24-hour emergency number: 145 (from abroad: +41 44 251 51 51)
Information: +41 44 251 66 66

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

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Signal word Warning**Hazard-determining components of labelling:**

Citric acid

Hazard statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing dust/vapours/spray.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:**

The product does not contain components classified as persistent, bioaccumulative and toxic (PBT) in concentrations of 0.1% or higher.

vPvB:

The product does not contain components classified as very persistent and very bioaccumulative (vPvB) in concentrations of 0.1% or higher.

Determination of endocrine-disrupting properties

The product does not contain ingredients that are endocrine disruptors according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 77-92-9 EINECS: 201-069-1 Index number: 607-750-00-3 Reg.nr.: 01-2119457026-42	Citric acid Eye Irrit. 2, H319; STOT SE 3, H335	25-<50%
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2 Reg.nr.: 01-2119485498-19	Sodium carbonate Eye Irrit. 2, H319	25-<50%
CAS: 15630-89-4 EINECS: 239-707-6 Reg.nr.: 01-2119457268-30	Sodium percarbonate Ox. Sol. 3, H272; Eye Dam. 1, H318; Acute Tox. 4, H302 Specific concentration limits: Eye Dam. 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 7.5 % ≤ C < 25 %	≥2.5-<7.5%
CAS: 151-21-3 EINECS: 205-788-1 Reg.nr.: 01-2119489461-32	Sodium lauryl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 20 % Eye Irrit. 2; H319: 10 % ≤ C < 20 %	<2.5%
CAS: 68439-49-6 NLP: 500-212-8	Alcohols, C16-18, ethoxylated (≥15 ≤ 25 EO) Eye Irrit. 2, H319	<2.5%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

oxygen-based bleaching agents

≥5 - <15%

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anionic surfactants, non-ionic surfactants

<5%

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.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Immediately rinse with water.**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

If symptoms persist consult doctor.

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.

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: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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.

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.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

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Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Protect from humidity and water.

Protect from heat and direct sunlight.

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

SECTION 8: Exposure controls/personal protection

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.

DNELs

497-19-8 Sodium carbonate

Inhalative	Short-term exposure, local	10 mg/m ³ (Consumers)
	Long-term exposure, local	5 mg/m ³ (general population)
		10 mg/m ³ (Employees)

15630-89-4 Sodium percarbonate

Dermal	Short-term exposure, local	6.4 mg/cm ² (Consumers)
	Long-term exposure, local	12.8 mg/cm ² (Employees)
Inhalative	Short-term exposure, local	6.4 mg/cm ² (Consumers)
	Long-term exposure, local	5 mg/m ³ (Employees)

151-21-3 Sodium lauryl sulphate

Oral	Long-term exposure, systemic	24 mg/kg (Consumers)
Dermal	Long-term exposure, systemic	4,060 mg/kg (Employees)
		2,440 mg/kg (Consumers)
Inhalative	Long-term exposure, systemic	285 mg/m ³ (Employees)
		85 mg/m ³ (Consumers)

PNECs

77-92-9 Citric acid

Fresh water	0.44 mg/l
Sea water	0.044 mg/l
Sediment (fresh water)	34.6 mg/kg
Sediment (seawater)	3.46 mg/kg
Floor	33.1 mg/kg
Sewage treatment plant	1,000 mg/l

15630-89-4 Sodium percarbonate

Fresh water	0.035 mg/l
Sea water	0.0035 mg/l
Sewage treatment plant	16.24 mg/l

151-21-3 Sodium lauryl sulphate

Fresh water	0.176 mg/l
Sea water	0.0176 mg/l
Sediment (fresh water)	6.97 mg/kg
Sediment (seawater)	0.697 mg/kg
Floor	1.29 mg/kg
Sewage treatment plant	1.35 mg/l
Sporadic release	0.055 mg/l

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

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as 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: In case of dust formation, use a particle-filtering dust mask in accordance with EN 149.**Hand protection** Protective gloves according to EN 374**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 >480 minutes (permeation level: 6)**Eye/face protection** Tight-fitting safety goggles according to EN 166**Body protection:** Protective work clothing in accordance with EN 13982-1

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour:	White
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined.
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH at 20 °C	9 (5%)
Acid/alkali reserve (J.R. Young et al.):	
Viscosity:	
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	Easily soluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not applicable.
Particle characteristics	

See section 3.

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9.2 Other information

Appearance:

Form: Tablets

Important information on protection of health and environment, and on safety.

Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Solvent content:

VOC (EC) 0.00 %

Change in condition

Evaporation rate Not applicable.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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 Protect from humidity and water.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

15630-89-4 Sodium percarbonate

Oral	LD50	1,034 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
151-21-3 Sodium lauryl sulphate		
Oral	LD50	>500-2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	11 mg/l (ATE)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Data of the ingredients:

77-92-9 Citric acid	
LC50/48h	440 mg/l (Leuciscus idus melanotus) (OECD 203)
LC50/24h	1,535 mg/l (Daphnia magna)
497-19-8 Sodium carbonate	
LC50/96h (static)	300 mg/l (Lepomis macrochirus)
EC50/48h	200-227 mg/l (Ceriodaphnia dubia)
15630-89-4 Sodium percarbonate	
LC50/96h	70.7 mg/l (Pimephales promelas)
EC50/48h	4.9 mg/l (Daphnia pulex)
NOEC/96h	7.4 mg/l (Pimephales promelas)
NOEC/48h	2 mg/l (Daphnia pulex)
151-21-3 Sodium lauryl sulphate	
LC50/96h	>10-100 mg/l (Pimephales promelas) (OECD 203)
EC50/48h	>1-10 mg/l (Ceriodaphnia dubia)
EC50/72h	>100 mg/l (Desmodesmus subspicatus)
NOEC/42d	>1-10 mg/l (Pimephales promelas)
NOEC/7d	≤1 mg/l (Ceriodaphnia dubia)
68439-49-6 Alcohols, C16-18, ethoxylated (≥15 ≤ 25 EO)	
LC50/48h	2.7 mg/l (fish)
LC50/96h	>1-<10 mg/l (Leuciscus idus melanotus)
EC50/24h	2.6 mg/l (daphnia)
EC50/48h	>1-<10 mg/l (Daphnia magna)

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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.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**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.

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.

European waste catalogue

20 01 29*	detergents containing hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances

Uncleaned packaging:**Recommendation:** Non contaminated packagings may be recycled.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.**SECTION 14: Transport information****14.1 UN number or ID number****ADR, ADN, IMDG, IATA**

Not regulated.

14.2 UN proper shipping name**ADR**

Not regulated.

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 Maritime transport in bulk according to IMO instruments

Not applicable.

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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.**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

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.

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.

Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: Department R&D**Contact:** Simone Kühn**Date of previous version:** 11.11.2022**Version number of previous version:** 2.1

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Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Sol. 2: Flammable solids – Category 2

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.**