

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and according to Commission
Regulation (EU) No 453/2010

ELINA Clean Kristall Klar Spülmittel ZITRONE

Creation date	20. April 2015	Revision no.	
Date of revision		Version	1

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

- 1.1. Product identifier**
substance / mixture
Number
Other names of the mixture
ELINA Clean Kristall Klar Spülmittel ZITRONE
mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Intended use of the mixture
Not recommended use of the mixture
Dishwashing liquid.
not available
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name
Place of business or residency
Telephone
JEAN Products
Steinmühlweg 4, Karsbach, 97783
Germany
09353-9785-4
Competent person responsible for the safety data sheet
Name
E-mail
- 1.4. Emergency telephone number**

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
A mixture is classified as dangerous.

Eye Irrit. 2, H319
Aquatic Chronic 3, H412

The classification of the mixture according to Directive 1999/45/EC
The mixture is not classified as dangerous according to Directive 67/548/EEC

The most serious adverse physicochemical effects

Unknown

The most serious adverse effects on human health and the environment
Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

- 2.2. Label elements**
Warning symbol



Signal word
Warning

Hazard statements

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Instructions for safe handling

P102 Keep out of reach of children.
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 to local/regional/national/international regulations.

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2.3. Other hazards
not available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Name of the substance	Content in % weight	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 68891-58-3 ES: 500-234-8 Registration number: 01-2119488639-16-0020	alcohols, C12-14, ethoxylated, sulfates, sodium salts	5- 10	Xi: R 38, R 41	Skin Irrit. 2, H315 Eye Dam 1, H318	1
CAS: 68603-42-9 ES: 931-529-6 Registration number: 01-2119490100-53-0007	amides, coco, N,N-bis(hydroxyethyl)	≤1	Xi: R 38, R 41	Skin Irrit. 2, H315 Eye Dam 1, H318	

Notes

1 The substance with a specific concentration limit

The full text of all standard phrases and guidelines is specified in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this Safety Data Sheet.

Inhalation

not available

Skin contact

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

Eye contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

Ingestion

Rinse mouth with water. Provide medical treatment if the person has any health problems.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Not expected.

Skin contact

Not expected.

Eye contact

Causes serious eye irritation.

Ingestion

Not expected.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist

Unsuitable extinguishing media

water - full jet

5.2. Special hazards arising from the substance or mixture

not available

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**
The mixture is nonflammable. Use gloves in case of prolonged contact. Follow the instructions in Sections 7 and 8.
- 6.2. Environmental precautions**
Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.
- 6.3. Methods and material for containment and cleaning up**
Spilled mixture should be covered with suitable (nonflammable) absorbing material (sand, kieselguhr, earth and other suitable absorption materials); to be contained in well closed containers and removed as per Section 13. Collected material should be disposed of in accordance with locally valid regulations. Upon an escape of large quantities of the mixture, inform the Fire Department and the Environmental Department of the Municipal Authority with extended scope of competencies. After removal of the mixture, wash the contaminated site with plenty of water or another suitable cleaning material. Do not use solvents.
- 6.4. Reference to other sections**
7, 8 and 13.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling**
Prevent contact with eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.
- 7.2. Conditions for safe storage, including any incompatibilities**
Store in tightly closed containers in areas designated for this purpose. Keep out of reach of children.
- 7.3. Specific end use(s)**
not available

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters**
none
DNEL
alcohols, C12-14, ethoxylated, sulfates, sodium salts

Workers / consumers	Route of exposure	Value	Effect	Determining the value of
workers		2750 mg/kg bw/day		

amides, coco, N,N-bis(hydroxyethyl)

Workers / consumers	Route of exposure	Value	Effect	Determining the value of
workers	dermal	73,4 mg/m ³	systemic chronic effects	
workers	inhalation	73,4 mg/m ³	systemic chronic effects	
consumers	dermal	2,5 mg/kg bw/day	systemic chronic effects	
consumers	inhalation	21,73 mg/m ³	systemic chronic effects	
consumers	oral	6,25 mg/kg bw/day	systemic chronic effects	

PNEC

alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Value	Determining the value of
freshwater environment	0,240 mg/l	

amides, coco, N,N-bis(hydroxyethyl)

Route of exposure	Value	Determining the value of
freshwater environment	2,4 µg	
seawater	0,24 µg	

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8.2. Exposure controls

Follow usual measures for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of respiratory pathways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye and face protection

Under normal use is not required. Protective goggles if there is a risk of splashing.

Skin protection

Under normal use is not required.

Respiratory protection

not available

Thermal hazard

not available

Restriction of the environment exposure

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

physical state	liquid at 20°C
colour	data not available
Odour	lemon
Odour threshold	data not available
pH	data not available
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	data not available
Evaporation rate	data not available
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	data not available
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	soluble
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available
Oxidising properties	data not available

9.2. Other information

Density	data not available
auto-ignition temperature	data not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

Under normal conditions, the mixture is stable.

10.3. Possibility of hazardous reactions

The mixture is stable under normal conditions.

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- 10.4. Conditions to avoid**
The mixture is stable and no degradation occurs under normal use.
- 10.5. Incompatible materials**
Protect against strong acids, bases and oxidizing agents.
- 10.6. Hazardous decomposition products**
Not developed under normal uses.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Determining the value of	Source
oral	LD 50		>2000 mg/kg		rat			
dermal	LD 50		>2000 mg/kg		rat			
oral	NOAEL		>225 mg/kg		rat			

amides, coco, N,N-bis(hydroxyethyl)

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Determining the value of	Source
oral	LD 50	OECD 401	>2000 mg/kg		rat			
dermal	LD 50		>2000 mg/kg		rat			

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

Corrosion/skin irritation

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

Serious eye damage / eye irritation

Causes serious eye irritation.

Respiratory / skin sensitization

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

Germ cells 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.

Toxicity for specific target organ - single exposure

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

Toxicity for specific target organ - repeated exposure

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

Acute toxicity

alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Time of exposure	Species	Environment	Determining the value of	Source
LC 50		7.1 mg/l	96 hour	fishes			
EC 50		7.2 mg/l	48 hour	daphnia			
LD 50		27.7 mg/l	72 hour	algae			
NOAEC		0,1 mg/l	28 day	fishes			

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amides, coco, N,N-bis(hydroxyethyl)

Parameter	Method	Value	Time of exposure	Species	Environment	Determining the value of	Source
LC 50		850 mg/l		fishes			
LC 50		9,8 mg/l		daphnia (Daphnia magna)			
LC 50		2340 mg/l		algae			

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Biodegradability

alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Time of exposure	Environment	Determining the value of	Source
		> 60 %	28 day			

amides, coco, N,N-bis(hydroxyethyl)

Parameter	Method	Value	Time of exposure	Environment	Determining the value of	Source
		> 60 %	28 day			

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) 6. 648/2004 on detergents, as amended.

12.3. Bioaccumulative potential

not available

12.4. Mobility in soil

not available

12.5. Results of PBT and vPvB assessment

The mixture is not classified as PBT or vPvB.

12.6. Other adverse effects

not available

SECTION 13: Disposal considerations

Hazard of environmental contamination: remove waste in accordance with local and/or national regulations.

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to an authorised person for waste removal (specialized company) authorised for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Legislation of waste

Council Directive 75/442/EEC on waste, at last amended. Council Directive 91/689/EEC on hazardous waste, as last amended. Decision 94/3/EC establishing a list of wastes, as last amended.

Code of type of waste

Type of waste
Subgroup of waste
Waste group

200129
detergents containing dangerous substances
separately collected fractions (except 15 01)
MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

Code of type of waste packaging

Type of waste
Subgroup of waste
Waste group

150102
plastic packaging
packaging (including separately collected municipal packaging waste)
WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

SECTION 14: Transport information

14.1. UN number

not available

14.2. UN proper shipping name

not available

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- 14.3. Transport hazard class(es)**
not available
- 14.4. Packing group**
not available
- 14.5. Environmental hazards**
not available
- 14.6. Special precautions for user**
not available
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
not available

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended, Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended, Directives 67/548/EEC, as amended, and 1999/45/EC as amended.
- 15.2. Chemical safety assessment**
not available

16. SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

- H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

- P102 Keep out of reach of children.
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 to local/regional/national/international regulations.

List of R-phrases used in the safety data sheet

- R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.

Other important information about safety of human health

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

- ADR European agreement concerning the international carriage of dangerous goods by road
BCF Bioconcentration Factor
CAS Unique Numeric Identifier used in chemistry for chemical substances
CLP Classification, Labelling and Packaging
DNEL Derived no-effect level
EC50 Concentration of a substance when it is affected 50% of the population
EINECS European Inventory of Existing Commercial Chemical Substances
Ems Emergency plan
ErC50 Environmental Release category
ES Identification code for each substance listed in EINECS
IATA International Air Transport Association

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IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC50	Concentration causing 50 % blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Transport
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD50	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
Log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
MFAG	First Aid Manual
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
NPK	The maximum permissible concentration
PBT	Persistent ,Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
PNEC	Predicted no-effect concentration
REACH	Registration, Evaluation and Restriction of chemicals (EP and Council Regulation (EC) No. 1907/2006)
RID	Agreement on the transport of dangerous goods by rail
UN	Four-digit code reflecting the characteristics of substances or mixtures in transport
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Aquatic Chronic	Hazardous to the aquatic environment
Eye Dam	Serious eye damage
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the mixture.

Recommended restrictions of use

not available

Information about the sources of data used to compile the data sheet

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended, REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended, COMMISSION REGULATION (EU) No 453/2010, COUNCIL DIRECTIVE 67/548/EEC as amended and 1999/45/EC, COMMISSION REGULATION (EU) No 286/2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

Statement

The Safety Data Sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.