

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** Crystale Washing Up Liquid
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: universal cleaning detergent
Uses advised against: Do not mix with other products
- 1.3 Details of the supplier of the safety data sheet:** Zenit, spol.s r.o.
Pražská 162, Čáslav 286 01
Phone.: +420 327304890
Fax: +420 327313688
nezbedova@zenit-caslav.cz
- Distributor:** Zenit
Competent person: Nezbedová Libuše - nezbedova@zenit-caslav.cz
- 1.4 Emergency telephone number:**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) n° 1272/2008: not classified
The mixture is classified as dangerous according to Regulation (EC) no. 1272/2008
Classification within the meaning of Directive no. 1999/45 / EC
Not classified
The mixture is not classified as dangerous
The most important adverse physicochemical effects and effects on human health and the environment
The mixture is not classified as dangerous
Full text of classifications, hazard statements and R-phrases is given in Section 16
- 2.2 Label elements according to Directive no. 1999/45 / EC:**
Hazard pictograms:
Not classified
R – phrases – none
S – phrases – none
Label elements according to Regulation (EC) no. 1272/200

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 2: HAZARDS IDENTIFICATION (continued)

Hazardous substances:	-----
Hazard pictogram:	-----
Signal word:	-----
Hazard statements:	EUH 208 Contains, Methylisothiazolinone, Methylchloroisothiazolinone. May produce an allergic reaction.
Advice on safe handling:	P 102 Keep out of reach of children.

The label on the general public in accordance with Council Regulation (CE) no. 648/2004 on detergents:

Composition: anionic surfactants 5 % or over but less than 15 %; non-ionic surfactants less than 5 %; preservation agents Methylisothiazolinone, Methylchloroisothiazolinone; colour; Aqua.

2.3 Other hazards: Not defined

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

A mixture of surfactants, water and excipients.

The product identifier	The concentration / concentration range	The index number CAS number EC number	Classification according to Directive no. 67/548 / EEC	Classification according to Regulation (EC) no. 1272/2008
sec-C14-17-alkane sulphonic acid sodium salt * (no. 01-2119489924-20-0000 REACH)	1 – 9 %	- 97489-15-1 307-055-2	Xn; R22 Xi; R38-41	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
C12-14-alkyl alcohols, ethoxylated sulfates, sodium salts **	1 – 9 %	- 68891-38-3 500-234-8	Xi; R38-41	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
reaction mixture composed of the following: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3: 1) ***	0,00015 % až < 0,0015 %	613-167-00-5 55965-84-9 -	T; R23/24/25 C; R34 R43 N; R50/53	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

* SCL from REACH registration dossier:
> 60% Acute Tox. 4, H302; Eye Dam. 1, H318; Skin Irrit. 2, H315
15% < c ≤ 60% Eye Dam. 1, H318; Skin Irrit. 2, H315
10% < c ≤ 15% Acute Tox. 2, H319; Skin Irrit. 2, H315

** SCL: ≥ 30% Eye Dam. 1, H318
> 10% C < 30% Acute Tox. 2, H319

*** substance has a specific limit: Skin Sens. 1 H317: c ≥ 0.0015%
EUH208: 0.00015% ≥ c < 0.0015% "

It contains the perfume composition in a concentration of <5% wt., Of which:
- Allergenic fragrances contained in the product at a concentration of c> 1%: No
- Allergenic fragrances contained in the product at a concentration of 1> c> 0.1%: No
- Allergenic fragrances contained in the product at 0.1> c> 0.01%:No

- CONTINUED ON NEXT PAGE -

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

General advice: Should any health problems occur or in case of any doubt, seek medical advice, acquaint with safety data sheet, show it to the doctor.

Inhalation: Unlikely

Skin contact: Take off contaminated clothing, wash affected parts of skin with water. In case of any doubt seek medical advice.

Eye contact: Rinse the eyes thoroughly with a lot of clean water (min.15 minutes, force the eyelid open and hold it open). Contact lens must be taken out. In case of any doubt seek medical advice.

Ingestion: Rinse the mouth thoroughly with a lot of clean water, drink 0.5l of water, do not evoke vomiting, seek medical advice.

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

Not known

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

Treat the symptoms until the arrival of the doctor.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: foam, powder, water spray

Unsuitable extinguishing media: direct water current

5.2 Special hazards arising from the substance or mixture:

Dangerous gases, mist, carbon dioxide can be formed when burning.

5.3 Advice for firefighters:

Regular protective suit for fire-fighters, insulating breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Deportunauthorised persons (trespassers) from the accident area, avoid contact with skin and eyes. Use protective equipment according to Section 8.

6.2 Environmental precautions:

Fence the accident area (barriers), avoid further leaking (outflow), do not discharge the concentrated substance into water, soil and sewage system. In case of more substantial leak inform competent authorities.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Drain off, absorb the residue into suitable porous material, place in a sealed container and dispose of in accordance with local regulations.

6.4 Reference to other sections:

See sections 8 and 13.

- CONTINUED ON NEXT PAGE -

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

When handling, do not eat or drink, follow the principles of work safety and hygiene, avoid contact with skin and eyes. Transport in regular covered and clean vehicles protected from unsuitable weather conditions.

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from direct sunlight and temperatures exceeding 40°C, keep out of the reach of children, store in dry and well-ventilated places in original, well-sealed containers, do not allow to freeze. Store in temperatures between +5 and +25°C.

7.3 Specific end use(s):

Cleaning detergent

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters pro smes: Not applicable

8.2 Exposure controls:

Use of required protective equipment

Limiting exposure

Personal protective means

Respiratory protection: For general use and handling is not required.

Hand protection: For general use and handling is not required.

Eye protection: For general use and handling is not required.

Skin protection: For general use and handling is not required.

Environmental exposure control: Avoid leaking (outflow) of the concentrated substance into environment, water and sewage system.

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties:**
- (a) Appearance:** according to variant (green, yellow)
 - (b) Odour:** according to variant(apple, citrus)
 - (d) pH:** 1% solution – 5,5-7,5
 - (e) Melting point/freezing point:** Data not available.
 - (f) Initial boiling point and boiling range:** Data not available.
 - (g) Flash point:** Data not available.
 - (h) Evaporation rate:** Data not available.
 - (I) Flammability (solid, gas):** Data not available.
 - (j) Upper/lower flammability or explosive limits:** Data not available.
 - (k) Vapour pressure:** Data not available.
 - (l) Vapour density:** Data not available.
 - (m) Relative density:** Data not available.
 - (n) Solubility(ies):** soluble
 - (o) Partition coefficient: n-octanol/water:** Data not available.
 - (p) Auto-ignition temperature:** Data not available.
 - (q) Decomposition temperature:** Data not available.
 - (r) Viscosity:** Data not available
 - (s) Explosive properties:** Data not available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Unusual reactions are not known.
- 10.2. Chemical stability:** Under normal temperature and pressure is stable
- 10.3. Possibility of hazardous reactions:** Unusual reactions are not known.
- 10.4. Conditions to avoid:** Avoid temperatures below 5°C and above 30°C
- 10.5. Incompatible materials:** There are no incompatible materials provided that the mixture is used in accordance with the designated use.
- 10.6. Hazardous decomposition products:** carbon dioxides

- CONTINUED ON NEXT PAGE -

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

- (a) **acute toxicity;** Based on available data, the criteria for classification
- (b) **irritation;** Based on available data, the criteria for classification
- (c) **corrosively;** Based on available data, the criteria for classification
- (d) **sensitisation;** Based on available data, the criteria for classification
- (e) **repeated dose toxicity;** Based on available data, the criteria for classification
- (f) **carcinogenicity;** Based on available data, the criteria for classification
- (g) **mutagenicity;** Based on available data, the criteria for classification

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity:** There are no known harmful effects of the mixture on the environment, subject to classification.
- 12.2. Persistence and degradability:** for the preparation is determined surfactants contained in this preparation comply with the biodegradability criteria according to Regulation (EU) No. 648/2004 on detergents.
- 12.3. Bio accumulative potential:** data not available
- 12.4. Mobility in soil:** data not available
- 12.5. Results of PBT and vPvB assessment:** does not require the chemical safety report. Not PBT or vPvB

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Suitable methods for the substance or preparation and contaminated packaging: small amount of product thinned enough water and flush to sewer, centered means disposed in accordance with applicable regulations. Empty rinsed containers can be disposed of or recycled energy evaluation material.
Physical / chemical properties that may affect waste treatment options: Data not available
Preventing waste disposal via sewer: Data not available
Special precautions recommended for waste management: Data not available.

SECTION 14: TRANSPORT INFORMATION

- 14.1. UN number:** Not classified for transport
- 14.2. UN proper shipping name:** Not classified for transport
- 14.3. Transport hazard class(es):** Not classified for transport
- 14.4. Packing group:** Not classified for transport
- 14.5. Environmental hazards:** no
- 14.6. Special precautions for user:** no
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** no

- CONTINUED ON NEXT PAGE -

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 15: REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as amended

REGULATION OF THE EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 648/2004 of 31 March 2004 on detergents, as amended

15.2. Chemical safety assessment: not required

SECTION 16: OTHER INFORMATION

A. Changes made in a safety data sheet in the review: - new edition 11.11.2014

second Yan, reclassification according specificých concentration limits ok jednotilvm ltká mixture 1.3.2015

B. Key or legend to abbreviations:

Key to abbreviations and acronyms

CAS Chemical Abstracts Service (numeric identifier for chemical substances - more on www.cas.org)

EC numeric identifier for chemical substances lists EINECS, ELINCS and NLP

PBT persistent, bio accumulative and toxic

vPvB very persistent and very bio accumulative

TWA Threshold Limit Value

LD50 value indicates the dose that causes the death of 50% of the animals after administration

LC50 value indicates the concentration causing the death of 50% of the animals after administration

EC 50 concentration of a substance that occurs in 50% of the animals to the effective exposure standards

IC50 half maximal inhibitory concentration, at which the exposure standards

SVHC Substances of Very High Concern - substances of very high concern

DNEL Derived No Effect Level (derived dosage level at which no effect)

PNEC Predicted No Effect Concentration (estimated concentration of a substance at which no effect)

Acute Tox. 3 Acute toxicity (inhal.), Hazard Category 3

Acute Tox. 3 Acute toxicity (dermal), hazard category 3

Acute Tox. 3, 4 Acute toxicity (oral), hazard category 3, 4

Eye Dam. 1 Serious eye damage, hazard category 1

Skin. Irrit. 2 Skin irritation, hazard category 2

Skin Corr. 1B Skin corrosion, hazard category 1B

Skin Sens. 1 Sensitisation - Skin, hazard category 1

Aquatic Acute 1 Hazardous to the aquatic environment - Acute hazard category 1

Aquatic Chronic 1, 3 Hazardous to the aquatic environment - chronic hazard category 1, 3

T Toxic

C Corrosive

Xi Irritant

Xn Harmful

N Dangerous for the environment

- CONTINUED ON NEXT PAGE -

Safety data sheet
According to regulation (EC) no. č 453/2010
CRYSTALE – WASHING UP LIQUID

SECTION 16: OTHER INFORMATION (continued)

List of relevant R phrases, hazard statements, safety phrases and / or precautionary statements used in the safety data sheet:

- H301** Toxic if swallowed.
- H302** Harmful if swallowed.
- H311** Toxic in contact with skin.
- H314** Causes severe skin burns and eye damage.
- H315** Causes skin irritation.
- H317** May cause an allergic skin reaction.
- H318** Causes serious eye damage.
- H331** Toxic if inhaled.
- H400** Very toxic to aquatic organisms.
- H410** Very toxic to aquatic life with long lasting effects.
- H412** Harmful to aquatic life with long lasting effects.
- EUH208** Comprises reacting a mixture composed of the following: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.
- P102** Keep out of reach of children.
- R22** Harmful if swallowed
- R23 / 24/25** Toxic by inhalation, in contact with skin and if swallowed
- R34** Causes burns
- R38** Irritating to skin
- R41** Risk of serious damage to eyes
- R43** May cause sensitization by skin contact
- R50 / 53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- C.** Important references to literature and data sources: Scientific databases and other regulations related to chemical legislation.
- D.** List of relevant hazard statements and / or instructions for safe handling
- E.** Training advice: Work safety training for handling chemicals
- F.** For more information MSDS contains the information necessary to ensure the health and safety at work and environmental protection. These data correspond to the present state of our knowledge and experience and are in compliance with applicable laws and regulations. However, do not create the basis for any contractual relationship. In the case of the use of way other than recommended in this safety data sheet are not responsible for any damage thereby incurred.

All materials may carry unknown hazards and should be used with caution. Although in this safety data sheet describes some risk, we cannot guarantee that it is the only existing risk.

- CONTINUED ON NEXT PAGE -

