

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

### 1.1 Product identifier

**Product name**

ZC1

**Synonyms**

Zeolitni komponent / Zeolite compound / Zeolith Compound ZC1

<https://my.chemius.net/p/WHrWSB/en/pd/en>

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

**Relevant identified uses**

The mixture of raw materials for the production of detergents.

**Uses advised against**

No information.

### 1.3 Details of the supplier of the safety data sheet

**Supplier**

SILKEM, d. o. o.  
Tovarniška cesta 10  
2325 Kidričevo, Slovenia  
+386 2 7991 200  
info@silkem.si

**Manufacturer**

SILKEM, d. o. o.  
Tovarniška cesta 10  
2325 Kidričevo, Slovenia  
+386 2 7991 200  
info@silkem.si

### 1.4 Emergency Telephone Number

**Emergency**

111

**Supplier**

+386 2 7991 208 (7h - 15h)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 (CLP)**

According to the regulation, the chemical is not classified as hazardous.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP)****Hazard statements:**

Not applicable.

**Supplemental hazard information (EU):**

EUH210 Safety data sheet available on request.

**Precautionary statements:**

Not applicable.

**2.3 Other hazards****PBT/vPvB**

The substance is not classified as persistent, toxic, or a substance that can accumulate (PBT) or very persistent and very bioaccumulative (vPvB) substance.

**Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Additional information**

No information.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

For mixtures see 3.2.

**3.2 Mixtures**

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	1318-02-1 930-915-9 - 01-2119429034-49-0017	89-95	/	/	/
Alcohols, C10-18, ethoxylated	85422-93-1 500-267-8 - 02-2119831120-58-0000	2,0-3,0	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	/	/
Sodium Carboxymethylcellulose	9004-32-4 - -	1,9-2,1	/	/	/
Sodium sulphate	7757-82-6 231-820-9 - 01-2119519226-43-0000	1,5-2,5	/	/	/

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures****General notes**

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

**Following inhalation**

Remove patient to fresh air - move out of dangerous area. Ventilate the premises. Inhale fresh air. Seek medical help immediately.

**Following skin contact**

Areas of the body that have come into contact with the product must be rinsed immediately with plenty of running water. If irritation of skin persists seek medical attention.

**Following eye contact**

Immediately flush eyes with plenty of water while keeping eyelids apart (at least 15 minutes). Consult a physician immediately!

**Following ingestion**

In case of doubt or if feeling unwell seek medical help.

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

**Following inhalation**

No information.

**Following skin contact**

No information.

**Following eye contact**

No information.

**Following ingestion**

No information.

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

No information.

**SECTION 5: FIREFIGHTING MEASURES**

## 5.1 Extinguishing media

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use the usual extinguishing measures (carbon dioxide (CO<sub>2</sub>), dry chemical, foam; water spray)

**Unsuitable extinguishing media**

Full water jet.

## 5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products**

No information.

## 5.3 Advice for firefighters

**Protective actions**

In case of fire or heating do not breathe fumes/vapours.

**Special protective equipment for fire-fighters**

No information.

**Additional information**

No information.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

## 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

**Protective equipment**

Use personal protective equipment (Section 8). Wear safety gloves and glasses. Thoroughly clean hands after use or contact.

**Precautionary measures**

No information.

**Emergency procedures**

No information.

**For emergency responders**

High risk of slipping due to leakage/spillage of product.

**6.2 Environmental precautions**

Use appropriate containment to dispose waste (according to current regulation-section 13.) If accidental large entry into water or ground occurs, inform responsible authorities.

**6.3 Methods and material for containment and cleaning up****For containment**

No information.

**For cleaning up**

Pick up mechanically and remove it in accordance with regulation.

**Other information**

No information.

**6.4 Reference to other sections**

See also sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling****Protective measures****Measures to prevent fire**

No information.

**Measures to prevent aerosol and dust generation**

Prevent dust formation.

**Measures to protect the environment**

No information.

**Other measures**

No information.

**Advice on general occupational hygiene**

Avoid contact with skin and eyes. Use personal protective equipment. Do not eat or drink while working.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep in well closed containers. Keep in a dry place. Keep container in a well ventilated place.

**Packaging materials**

No information.

**Requirements for storage rooms and vessels**

No information.

**Storage temperature**

No information.

**Storage class**

No information.

**Further information on storage conditions**

No information.

7.3 Specific end use(s)

**Recommendations**

No information.

**Industrial sector specific solutions**

No information.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 Control parameters

**Occupational Exposure limit values**

Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	10	/	/	/	WEL long-term, inhalable	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	4	/	/	/	WEL long-term, respirable	/

**Information on monitoring procedures**

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

**DNEL/DMEL values**

**For product**

No information.

**For components**

Name	Type	Exposure route	exp. frequency	Remark	Value
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	Worker	inhalation	long term	/	3 mg/m <sup>3</sup>
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	Worker	dermal	long term	/	2.5 mg/kg bw/day
Sodium sulphate	Worker	inhalation	long term systemic effects	/	20 mg/m <sup>3</sup>

Name	Type	Exposure route	exp. frequency	Remark	Value
Sodium sulphate	Worker	inhalation	long term local effects	/	20 mg/m <sup>3</sup>
Sodium sulphate	Consumer	inhalation	long term systemic effects	/	12 mg/m <sup>3</sup>
Sodium sulphate	Consumer	inhalation	long term local effects	/	12 mg/m <sup>3</sup>

**PNEC values****For product**

No information.

**For components**

Name	Exposure route	Remark	Value
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	fresh water	/	3.2 mg/L
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	marine water	/	0.32 mg/L
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	soil	/	600 mg/kg dw
Sodium sulphate	fresh water	/	11.09 mg/L
Sodium sulphate	marine water	/	1.109 mg/L
Sodium sulphate	water treatment plant	/	800 mg/L
Sodium sulphate	fresh water sediment	/	40.2 mg/kg
Sodium sulphate	marine water sediment	/	4.02 mg/kg
Sodium sulphate	soil	/	1.54 mg/kg
Sodium sulphate	water, intermittent release	/	17.66 mg/L

**8.2 Exposure controls****Appropriate engineering control****Substance/mixture related measures to prevent exposure during identified uses**

Avoid contact with eyes and skin.

**Structural measures to prevent exposure**

No information.

**Organisational measures to prevent exposure**

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units available.

**Technical measures to prevent exposure**

No information.

**Personal protective equipment****Eye and face protection**

Safety glasses with side protection (BS EN ISO 16321-1:2022). Eye wash bottle with clean water.

**Hand protection**

Protective gloves (EN 374).

**Appropriate materials**

No information

**Skin protection**

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). Avoid contact with skin. Shower.

**Respiratory protection**

Wear suitable protective breathing mask (BS EN 136) with filter A2-P2 (BS EN 14387).

**Thermal hazards**

No information.

**Environmental exposure controls****Substance/mixture related measures to prevent exposure**

No information.

**Instruction measures to prevent exposure**

No information.

**Organisational measures to prevent exposure**

No information.

**Technical measures to prevent exposure**

No information.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1 Information on basic physical and chemical properties

**Important health, safety and environmental information**

Physical state	solid
Shape	granules
Colour	white
Odour	no odour
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	11
Viscosity	No information.
Solubility	No information.
Partition coefficient n-octanol/water (log value)	No information.
Vapour pressure	No information.

Bulk density	480 — 580 kg/m <sup>3</sup>
Relative vapour/gas density	No information.
Particle characteristics	No information.

## 9.2 Other information

**Information with regard to physical hazard classes**

No information.

**Other safety characteristics**

No information.

## SECTION 10: STABILITY AND REACTIVITY

## 10.1 Reactivity

No information.

## 10.2 Chemical stability

Product is stable under normal conditions.

## 10.3 Possibility of hazardous reactions

No information.

## 10.4 Conditions to avoid

Follow directions for use and storage. Protect from moisture and water - keep in dry place.

## 10.5 Incompatible materials

No information.

## 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected.

## SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**(a) Acute toxicity****For components**

Name	Exposure route	Type	Species	Time	Value	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	oral	LD <sub>50</sub>	Dog	/	1000 - 31600 mg/kg	/	/

Name	Exposure route	Type	Species	Time	Value	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	oral	LD <sub>50</sub>	rat	/	5000 - 31600 mg/kg	/	/
Alcohols, C10-18, ethoxylated	oral	LD <sub>50</sub>	rat	/	> 2000 mg/kg	/	/
Sodium Carboxymethylcellulose	oral	LD <sub>50</sub>	rat	/	27000 mg/kg	/	/
Sodium Carboxymethylcellulose	inhalation	LC <sub>50</sub>	rat	4 h	> 5800 mg/m <sup>3</sup>	/	/
Sodium Carboxymethylcellulose	dermal	LD <sub>50</sub>	rabbit	/	> 2000 mg/kg	/	/
Sodium sulphate	oral	LD <sub>50</sub>	rat	/	2001 mg/kg	OECD 401	/
Sodium sulphate	inhalation	LC <sub>50</sub>	rat	4 h	5.01 mg/l	OECD 436	/
Sodium sulphate	oral	ATE	/	/	2001 mg/kg bw	/	/
Sodium sulphate	inhalation	ATE	/	4 h	5.01 mg/l	/	/

**(b) Skin corrosion/irritation****For components**

Name	Species	Time	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	/	/	Non-irritant.	/	/

**(c) Serious eye damage/irritation**

No information.

**(d) Respiratory or skin sensitisation****For components**

Name	Exposure route	Species	Time	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	-	/	/	Non sensitising.	/	/

**(e) (Germ cell) mutagenicity****For components**

Name	Type	Species	Time	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	/	/	/	Negative.	/	/

**(f) Carcinogenicity****For components**

Name	Exposure route	Type	Species	Time	Value	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	/	/	/	/	/	Negative	/	/

**(g) Reproductive toxicity****For components**

Name	Reproductive toxicity type	Type	Species	Time	Value	result	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	-	-	/	/	/	Negative.	/	/

**Summary of evaluation of the CMR properties**

No information.

**(h) STOT-single exposure**

No information.

**(i) STOT-repeated exposure**

No information.

**(j) Aspiration hazard**

No information.

**Symptoms related to the physical, chemical and toxicological characteristics**

No information.

**Interactive effects**

No information.

**11.2 Information on other hazards****Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Other information**

No information.

**SECTION 12: ECOLOGICAL INFORMATION**

## 12.1 Toxicity

**Acute (short-term) toxicity****For components**

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	EC <sub>50</sub>	> 100 mg/L	48 h	daphnia	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	LC <sub>50</sub>	> 680 mg/L	96 h	fish	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	EC <sub>50</sub>	> 300 mg/L	96 h	algae	/	/	/
Sodium sulphate	LC <sub>50</sub>	7960 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
Sodium sulphate	EC <sub>50</sub>	1766 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
Sodium sulphate	EC <sub>50</sub>	1900 mg/L	72 h	algae	<i>Nitzschia linearis</i>	/	/

**Chronic (long-term) toxicity****For components**

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	> 86.7 mg/l	/	fish	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	32 mg/l	/	aquatic invertebrate	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	> 200 mg/l	/	sediment organisms	/	/	/
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	LC <sub>50</sub>	9000 mg/kg soil dw	23 days	Terrestrial plants	/	OECD 208	seedling emergence

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	EC50	9000 mg/kg soil dw	/	Terrestrial plants	/	OECD 208	seedling growth
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	NOEC	5000 mg/kg soil dw	/	Terrestrial plants	/	OECD 208	/
Sodium sulphate	NOEC	8000 mg/l	/	crustacea	/	/	/

## 12.2 Persistence and degradability

### Abiotic degradation, physical- and photo-chemical elimination

No information.

### Biodegradation

No information.

## 12.3 Bioaccumulative potential

### Partition coefficient n-octanol/water (log value)

#### For components

Name	Value	Temperature °C	pH	Concentration	Method
Sodium sulphate	-4.38	/	/	/	/

### Bioconcentration factor (BCF)

#### For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
Zeolite, cuboidal, crystalline, synthetic, non-fibrous	-	/	/	/	Does not bioaccumulate.	/	/
Sodium sulphate	BCF	/	0.5	/	/	/	/

## 12.4 Mobility in soil

### Known or predicted distribution to environmental compartments

No information.

### Surface tension

No information.

### Adsorption/Desorption

No information.

## 12.5 Results of PBT and vPvB assessment

No evaluation.



12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

12.7 Other adverse effects

No information.

12.8 Additional information

**For product**

Avoid release to the environment.

**For components**

**Zeolite, cuboidal, crystalline, synthetic, non-fibrous**

WGK: 0

**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods

**Product / Packaging disposal**

**Waste chemical**

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

**Waste codes / waste designations according to LoW**

No information.

**Packaging**

Deliver completely emptied containers to approved waste disposal authorities.

**Waste codes / waste designations according to LoW**

No information.

**Waste treatment-relevant information**

No information.

**Sewage disposal-relevant information**

No information.

**Other disposal recommendations**

No information.

**SECTION 14: TRANSPORT INFORMATION**

14.1 UN number or ID number

ADR/RID	IMDG	IATA	ADN
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.

14.2 UN proper shipping name

ADR/RID	IMDG	IATA	ADN
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable



#### 14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA	ADN
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

#### 14.4 Packing group

ADR/RID	IMDG	IATA	ADN
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

#### 14.5 Environmental hazards

ADR/RID	IMDG	IATA	ADN
NO	NO	NO	NO

#### 14.6 Special precautions for user

ADR/RID	IMDG	IATA	ADN
Limited quantities: <b>Not given/not applicable</b>	Limited quantities: <b>Not given/not applicable</b>		Limited quantities: <b>Not given/not applicable</b>

#### 14.7 Maritime transport in bulk according to IMO instruments

ADR/RID	IMDG	IATA	ADN
	Not given/not applicable		

## SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### **Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)**

not applicable

#### **Ingredients according to Regulation (EC) No 648/2004 on detergents**

No information.

#### **Special instructions**

Water hazard class: 2, annex 4.

#### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

#### **Indication of changes**

2.1 Classification of the substance or mixture 2.2 Label elements 2.3 Other hazards 4.1 Description of first aid measures  
 6.3 Methods and material for containment and cleaning up 7.2 Conditions for safe storage, including any incompatibilities  
 8.1 Control parameters 8.2 Exposure controls 9.1 Information on basic physical and chemical properties 9.2 Other  
 information 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.1 Toxicity 12.3  
 Bioaccumulative potential 12.6 Endocrine disrupting properties 12.7 Other adverse effects 14. Transport information  
 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

### Key literature references and sources for data

No information.

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
 ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 CEN - European Committee for Standardisation  
 C&L - Classification and Labelling  
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
 CAS# - Chemical Abstracts Service number  
 CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
 CSA - Chemical Safety Assessment  
 CSR - Chemical Safety Report  
 DMEL - Derived Minimal Effect Level  
 DNEL - Derived No Effect Level  
 DPD - Dangerous Preparations Directive 1999/45/EC  
 DSD - Dangerous Substances Directive 67/548/EEC  
 DU - Downstream User  
 EC - European Community  
 ECHA - European Chemicals Agency  
 EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
 EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
 EEC - European Economic Community  
 EINECS - European Inventory of Existing Commercial Substances  
 ELINCS - European List of notified Chemical Substances  
 EN - European Standard  
 EQS - Environmental Quality Standard  
 EU - European Union  
 Euphrac - European Phrase Catalogue  
 EWC - European Waste Catalogue (replaced by LoW – see below)  
 GES - Generic Exposure Scenario  
 GHS - Globally Harmonized System  
 IATA - International Air Transport Association  
 ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
 IMDG - International Maritime Dangerous Goods  
 IMSBC - International Maritime Solid Bulk Cargoes  
 IT - Information Technology  
 IUCLID - International Uniform Chemical Information Database  
 IUPAC - International Union for Pure Applied Chemistry  
 JRC - Joint Research Centre  
 Kow - octanol-water partition coefficient  
 LC50 - Lethal Concentration to 50 % of a test population  
 LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
 LE - Legal Entity  
 LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
 LR - Lead Registrant  
 M/I - Manufacturer / Importer  
 MS - Member States  
 MSDS - Material Safety Data Sheet  
 OC - Operational Conditions  
 OECD - Organization for Economic Co-operation and Development  
 OEL - Occupational Exposure Limit  
 OJ - Official Journal  
 OR - Only Representative

OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

**List of relevant H phrases**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.