

## SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: **Coco Glucose**

Creation date: **19.01.2024**, Revision: **19.01.2024**, Version: **1.0**

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

#### 1.1 Product identifier

Product name  
**Coco Glucose**

Product code  
**[AL00056]**

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

Relevant identified uses  
**No information.**

Uses advised against  
**No information.**

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

Supplier  
**Farmadria DOO**  
**Heroja Pinkija 44**  
**26300 Vršac, Serbia**  
**+381695565029**  
**info@avenalab.com**

#### 1.4 Emergency Telephone Number

Emergency  
**112**

Supplier  
**+381695565029**

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)  
**Eye Dam. 1; H318 Causes serious eye damage.**

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



**Signal word: DANGER**

H318 Causes serious eye damage.

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P310 Immediately call a POISON CENTER or doctor/physician.

P501 Dispose of contents/container in accordance with national regulation.

Contains:

D-glucopyranose, oligomeric, C10-16-alkyl glycosides

#### 2.3 Other hazards

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PBT/vPvB

No information.

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
Water	7732-18-5 231-791-2 -	n/a	/	/	/
Glycine, N-[2-[(2-hydroxyethyl)amino]ethyl]-, N'coco acyl derivs., monosodium salts	61791-32-0 - -	10-20	/	/	/
Glycerol	56-81-5 200-289-5 -	5-10	/	/	/
D-glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9 - -	5-10	Skin Irrit. 2; H315 Eye Dam. 1; H318	/	/
Sodium Chloride	7647-14-5 231-598-3 -	3-7	/	/	/
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides, carboxymethyl ethers, sodium salts	383178-66-3 - -	1-5	/	/	/

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Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substances
L-Glutamic acid, N-coco acyl derivs., monosodium salts	68187-32-6 269-087-2 -	1-5	Eye Irrit. 2; H319	/	/
Fatty acids, coco	61788-47-4 262-978-7 -	0.1-1	Skin Irrit. 2; H315 Eye Irrit. 2; H319	/	/

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

##### Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

##### Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Immediately obtain professional medical help!

##### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. Consult a physician immediately!

##### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

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

##### Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

##### Following skin contact

Skin burns: Signs/symptoms may include localised redness, swelling, itching, dryness, blistering.

##### Following eye contact

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.

##### Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. If ingested, may cause burns of the mouth and throat, as well as perforation of the esophagus and stomach.

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

Treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

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Unsuitable extinguishing media  
Full water jet.

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products  
In case of a fire toxic gases can be generated; do not inhale gases/smoke.

### 5.3 Advice for firefighters

Protective actions  
In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training.

#### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

#### Additional information

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment  
No information.

Precautionary measures  
Ensure adequate ventilation.

Emergency procedures  
No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

For emergency responders  
Use personal protective equipment.

### 6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

### 6.3 Methods and material for containment and cleaning up

For containment  
Stem the spill if this does not pose risks.

For cleaning up  
Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

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  
Ensure adequate ventilation.

Measures to prevent aerosol and dust generation  
Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment  
Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures  
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**Advice on general occupational hygiene**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**

Keep in a cool, dry and well ventilated place. Keep away from food, drink and animal feeding stuffs.

**Packaging materials**

Store only in original container.

**Requirements for storage rooms and vessels**

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

**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
Glycerol, mist (56-81-5)	10	/	/	/	/	/

**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**

No information.

**PNEC values**

**For product**

No information.

**For components**

No information.

**8.2 Exposure controls**

**Appropriate engineering control**

**Substance/mixture related measures to prevent exposure during identified uses**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

**Structural measures to prevent exposure**

No information.

**Organisational measures to prevent exposure**

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

**Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

**Personal protective equipment**

**Eye and face protection**

Wear tight fitting protective goggles and/or face protection (EN 166).

**Hand protection**

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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. The penetration time is determined by the protective glove manufacturer and must be observed.

**Appropriate materials**

**Skin protection**

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345:2022). At high risk of skin exposure chemical suits (EN 13034:2005+A1:2009) and boots may be required (EN ISO 20345:2022).

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

**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**

Do not allow product to reach drains, sewage systems or ground water.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

**Physical state**

liquid

**Colour**

yellowish

**Odour**

slight

**Important health, safety and environmental information**

Odour threshold	No information.
Melting point/Freezing 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	> 100 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	6.5 — 7.5 at 20 °C
Viscosity	No information.

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Solubility	Water: Soluble
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	Density: 1.13 — 1.145 g/cm <sup>3</sup> at 20 °C
Relative vapour density	No information.
Particle characteristics	No information.

### 9.2 Other information

Explosive properties	No information.
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## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity  
 No information.

10.2 Chemical stability  
 Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 Possibility of hazardous reactions  
 No information.

10.4 Conditions to avoid  
 No information.

10.5 Incompatible materials  
 No information.

10.6 Hazardous decomposition products  
 Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## 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
Glycerol	oral	LD <sub>50</sub>	rat	/	12600 mg/kg bw	/	/
Sodium Chloride	oral	LD <sub>50</sub>	rat	/	3550 mg/kg	/	/
Sodium Chloride	dermal	LD <sub>50</sub>	rat	/	> 10000 mg/kg	/	/
Sodium Chloride	inhalation	LC <sub>50</sub>	rat	/	> 42 mg/l	/	/

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Name	Exposure route	Type	Species	Time	value	Method	Remark
Water	oral	LD <sub>50</sub>	rat	/	> 90 ml/kg	/	/
D-glucopyranose, oligomeric, C10-16-alkyl glycosides	oral	LD <sub>50</sub>	rat	/	2000 mg/kg	/	/
L-Glutamic acid, N-coco acyl derivs., monosodium salts	oral	LD <sub>50</sub>	rat	/	> 2000 mg/kg	/	/

**Additional information**

The product is not classified as acutely toxic.

**(b) Skin corrosion/irritation**

For components

Name	Species	Time	result	Method	Remark
D-glucopyranose, oligomeric, C10-16-alkyl glycosides	/	/	Irritating.	/	/

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

For components

Name	Exposure route	Species	Time	result	Method	Remark
D-glucopyranose, oligomeric, C10-16-alkyl glycosides	/	/	/	Strong eye irritant.	/	/

**Additional information**

Causes serious eye damage.

**(d) Respiratory or skin sensitisation**

No information.

**Additional information**

The product is not classified as sensitising.

**(e) (Germ cell) mutagenicity**

No information.

**(f) Carcinogenicity**

No information.

**(g) Reproductive toxicity**

No information.

**Summary of evaluation of the CMR properties**

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

**(h) STOT-single exposure**

No information.

**Additional information**

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STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure  
 No information.

Additional information

STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard  
 No information.

Additional information

Aspiration hazard: Not classified.

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
Glycerol	LC <sub>50</sub>	54000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
Glycerol	EC <sub>50</sub>	2900 mg/L	72 h	algae	/	/	/
Glycerol	LC <sub>50</sub>	1955 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
Sodium Chloride	LC <sub>50</sub>	5840 mg/L	96 h	fish	/	/	/
Sodium Chloride	EC <sub>50</sub>	1016 mg/L	48 h	daphnia	<i>Daphnia magna</i>	/	/
Sodium Chloride	EC <sub>50</sub>	2430 mg/L	120 h	algae	/	/	/
D-glucopyranose, oligomeric, C10-16-alkyl glycosides	LC <sub>50</sub>	1 - 10 mg/L	/	fish	/	ISO7346/2	/

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Name	Type	value	Exposure time	Species	organism	Method	Remark
D-glucopyranose, oligomeric, C10-16-alkyl glycosides	EC0	100 mg/L	/	bacteria	/	OECD 209 Activated Sludge, Respiration Inhibition Test	/
L-Glutamic acid, N-coco acyl derivs., monosodium salts	LC <sub>50</sub>	1940 mg/L	96 h	fish	/	OECD 203	/
L-Glutamic acid, N-coco acyl derivs., monosodium salts	EC <sub>50</sub>	246 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
Glycerol	NOEC	> 1 mg/l	28 days	algae	/	/	/

### 12.2 Persistence and degradability

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
Glycerol	biodegradability	> 97 %	/	/	/	/
L-Glutamic acid, N-coco acyl derivs., monosodium salts	-	/	/	Not readily biodegradable	/	/

### 12.3 Bioaccumulative potential

Partition coefficient

No information.

Bioconcentration factor (BCF)

No information.

### 12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

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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  
 Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

### SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. 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. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

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

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
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			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.3 Transport hazard class(es)			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable

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ADR/RID	IMDG	IATA	ADN
<b>14.4 Packing group</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
<b>14.7 Maritime transport in bulk according to IMO instruments</b>			
	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

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

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  
 No information.

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

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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

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.