

## SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006

Product name: Acerola Cherry Extract

Creation date: 10.07.2025, Revision: 10.07.2025, Version: 1.0

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

#### 1.1 Product identifier

**Product name**

Acerola Cherry Extract

**Product code**

[AL00296]

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

**Relevant identified uses**

Raw material for cosmetic products.

**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)**

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

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### 2.2 Label elements

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

EUH210 Safety data sheet available on request.

P102 Keep out of reach of children.

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

### 2.3 Other hazards

#### 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
glycerin	56-81-5 200-289-5 -	30-60	/	/	/
water	7732-18-5 231-791-2 -	30-60	/	/	/
Malpighia Punicifolia Fruit Extract	50-81-7 - -	5-20	/	/	/
benzyl alcohol	100-51-6 202-859-9 603-057-00-5	0.8-1	Acute Tox. 4; H302 Acute Tox. 4; H332	/	/

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Name	CAS EC Index REACH	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Concentration Limits	Notes for substanc es
Dehydroa cetic acid	520-45-6 208-293-9 -	0.1- 0.2	Acute Tox. 4; H302	/	/

### 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.

##### **Following inhalation**

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help!

##### **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. If symptoms develop and persist, seek medical attention.

##### **Following eye contact**

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

##### **Following ingestion**

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician! 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**

Contact with skin may cause irritation (redness, itching).

##### **Following eye contact**

Contact with eyes can cause irritation (redness, tearing, pain).

##### **Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

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

Treat symptomatically.

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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### **Suitable extinguishing media**

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

##### **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**

No information.

### 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.

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### 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

No information.

#### 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 temperature

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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
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**

Name	Type	Exposure route	exp. frequency	Remark	Value
benzyl alcohol	Worker	dermal	long term systemic effects	repeated	9.5 mg/kg
benzyl alcohol	Worker	inhalation	long term systemic effects	repeated	90 mg/m <sup>3</sup>

**PNEC values**

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### For product

No information.

### For components

Name	Exposure route	Remark	Value
benzyl alcohol	fresh water	/	1 mg/L
benzyl alcohol	marine water	/	0.1 mg/L

### 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

Remove all contaminated clothes immediately and wash them before reuse.

#### 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

Safety glasses with side protection (BS EN ISO 16321-1:2022).

##### Hand protection

Protective gloves (EN ISO 374). 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 (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

##### Thermal hazards

No information.

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### 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

#### Important health, safety and environmental information

Physical state	liquid
Shape	viscous liquid
Colour	slightly pink
Odour	characteristic
Odour threshold	No information.
Melting/freezing point or softening point	No information.
Boiling point or initial boiling point and boiling range	290 °C
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	199 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	4 — 6
Viscosity	No information.
Solubility (Water)	Soluble
Partition coefficient n-octanol/water (log value)	No information.

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Vapour pressure	No information.
Relative density	1.1 g/cm <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 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**

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### For components

Name	Exposure route	Type	Species	Time	Value	Method	Remark
glycerin	oral	LD <sub>50</sub>	rat	/	12600 mg/kg bw	/	/
water	oral	LD <sub>50</sub>	rat	/	> 90 ml/kg	/	/
benzyl alcohol	oral	LD <sub>50</sub>	rat	/	1230 mg/kg	GESTIS	/
benzyl alcohol	inhalation (vapours)	ATE	/	/	11 mg/l	/	/
benzyl alcohol	inhalation (dusts/mists)	ATE	/	/	1.5 mg/l	/	/
Dehydroacetic acid	oral	LD <sub>50</sub>	rat	/	500 mg/kg	/	/

### Additional information

The product is not classified as acutely toxic.

### (b) Skin corrosion/irritation

#### For components

Name	Species	Time	result	Method	Remark
benzyl alcohol	human	48 h	Mild irritating.	/	16 mg
benzyl alcohol	rabbit	24 h	Mild irritating.	/	10 mg

### Additional information

The product is not classified as irritating to skin and eyes.

### (c) Serious eye damage/irritation

#### For components

Name	Exposure route	Species	Time	result	Method	Remark
benzyl alcohol	/	/	/	Irritating.	OECD 405	/

### (d) Respiratory or skin sensitisation

#### For components

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Name	Exposure route	Species	Time	result	Method	Remark
benzyl alcohol	dermal	/	/	May cause sensitisation by skin contact.	/	/
benzyl alcohol	dermal	human	/	May cause sensitisation by skin contact.	repeated patch test	/

### Additional information

The product is not classified as sensitising.

### (e) (Germ cell) mutagenicity

#### For components

Name	Type	Species	Time	result	Method	Remark
benzyl alcohol	/	Bacteria	/	Negative.	/	Ames test

### (f) Carcinogenicity

#### For components

Name	Exposure route	Type	Species	Time	Value	result	Method	Remark
benzyl alcohol	/	/	/	/	/	Animal testing did not show any carcinogenic effects.	/	/

### (g) Reproductive toxicity

#### For components

Name	Reproductive toxicity type	Type	Species	Time	Value	result	Method	Remark
benzyl alcohol	/	/	/	/	/	Animal testing did not show any effects on fertility.	/	/

### 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

STOT SE (single exposure): Not classified.

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### (i) STOT-repeated exposure

#### For components

Name	Exposure route	Type	Species	Time	Exposure	organ	Value	result	Method	Remark
benzyl alcohol	oral	-	rat	/	/	/	400 mg/kg	/	/	/

#### 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
glycerin	LC <sub>50</sub>	54000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
glycerin	EC <sub>50</sub>	2900 mg/L	72 h	algae	/	/	/

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Name	Type	Value	Exposure time	Species	Organism	Method	Remark
glycerin	LC <sub>50</sub>	1955 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
benzyl alcohol	LC <sub>50</sub>	10 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
benzyl alcohol	EC <sub>50</sub>	658 mg/L	30 min	bacteria	<i>Photobacterium phosphoreum</i>	/	/
benzyl alcohol	EC <sub>50</sub>	400 mg/L	24 h	crustacea	<i>Daphnia magna</i>	/	/
benzyl alcohol	IC <sub>5</sub>	640 mg/L	96 h	algae	<i>Scenedesmus quadricauda</i>	/	/

### Chronic (long-term) toxicity

#### For components

Name	Type	Value	Exposure time	Species	Organism	Method	Remark
glycerin	NOEC	> 1 mg/l	28 days	algae	/	/	/
benzyl alcohol	NOEC	5.1 mg/l	14 days	fish	<i>Oryzias latipes</i>	/	/
benzyl alcohol	NOEC	51 mg/l	21 days	aquatic invertebrate	<i>Daphnia magna</i>	/	/

### 12.2 Persistence and degradability

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

No information.

#### Biodegradation

##### For components

Name	Type	Rate	Time	Evaluation	Method	Remark
glycerin	biodegradability	> 97 %	/	/	/	/

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Name	Type	Rate	Time	Evaluation	Method	Remark
benzyl alcohol	biodegradability	/	/	readily biodegradable	/	according to OECD criteria

### 12.3 Bioaccumulative potential

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

##### For components

Name	Value	Temperature °C	pH	Concentration	Method
benzyl alcohol	1.05	/	/	/	/

#### Bioconcentration factor (BCF)

##### For components

Name	Species	Organism	Value	Duration	Evaluation	Method	Remark
benzyl alcohol	organism	/	1.1	/	/	/	/

### 12.4 Mobility in soil

#### Known or predicted distribution to environmental compartments

##### For components

Name	Air	Water	Soil	Sediment	(Aquatic) Biota	Method	Remark
benzyl alcohol	100	/	/	/	/	/	/

#### Surface tension

##### For components

Name	Value	Temperature °C	Concentration	Method	Remark
benzyl alcohol	0.039 N/m	20	/	/	/

#### Adsorption/Desorption

##### For components

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Name	Type	Criterion	Value	Evaluation	Method	Remark
benzyl alcohol	Soil	/	15.66	/	/	Koc

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 hazardous for environment. Do not allow to reach ground water, water courses or sewage system.

**For components**

**benzyl alcohol**

The substance is readily biodegradable. This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

### 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.

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**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
14.4 Packing group			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
14.5 Environmental hazards			
NO	NO	NO	NO
14.6 Special precautions for user			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
14.7 Maritime transport in bulk according to IMO instruments			
	Not given/not applicable		

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### 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

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

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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

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SVHC - Substances of Very High Concern

UN - United Nations

vPvB - Very Persistent and Very Bioaccumulative

**List of relevant H phrases**

H302 Harmful if swallowed.

H332 Harmful if inhaled.

