

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
 Version/ Issue date: **8 / 11/03/2023**

Print date **11/07/2023**  
 Page **1 of 11**

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

### 1.1 Product identifier

Item number/ Trade name	fragrance composition 13583-401-2
UFI	ORANGE SUNRISE 2 N5M6-114Q-Y00G-UJ1T

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

General use Perfumes, fragrances, Formulation of fragranced products

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

Company/undertaking identification	
Name	bekro chemie GmbH & Co. KG
Street/POB-No.: 1	Industriestrasse 104
City	D-66802 Ueberherrn
Phone #	+49 6836 9198 0
Telefax #	+49 6836 9198 10
E-mail	info@bekro.de

### 1.4 Emergency telephone number

Name	bekro chemie GmbH & Co. KG (Mo - Do 8.00 - 16.30, Fr 8.00 - 14.30)
Phone #	+49 6836 9198 0

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to EC regulation 1272/2008 (CLP)

Eye Irrit. 2; H319 Causes serious eye irritation.  
 Skin Sens. 1; H317 May cause an allergic skin reaction.

### 2.2 Label elements



<b>Signal word</b>	Warning
<b>Nature of Hazard</b>	GHS07 Exclamation mark
<b>Hazard statements</b>	H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
<b>Safety precautions</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container to hazardous or special waste collection point. P362+P364 Take off contaminated clothing and wash it before reuse.
<b>Hazard components for labelling</b>	Dodecanal 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one Allyl 3-cyclohexylpropionate (R)-p-Mentha-1,8-diene l-p-mentha-1(6),8-dien-2-one

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according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
Version/ Issue date: **8 / 11/03/2023**

Print date **11/07/2023**  
Page **2 of 11**

2,4-Dimethylcyclohex-3-ene-1-carbaldehyde  
3,7-Dimethyloctan-3-ol  
Linalool  
Orange, sweet, ext.

## Special provisions concerning the labelling of certain mixtures

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

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### 3.2 Mixtures

#### Hazardous ingredients

2,4-Dimethylcyclohex-3-en-1-carbaldehyd: 0,1 % - 0,99 %  
CAS-Nummer: 68039-49-6  
EINECS / ELINCS / NLP: 268-264-1  
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Aquatic Chronic 2; H411 / Skin Irrit. 2; H315 / Skin Sens. 1B; H317

Allyl 3-cyclohexylpropionat: 0,1 % - 0,99 %  
CAS-Nummer: 2705-87-5  
EINECS / ELINCS / NLP: 220-292-5  
REACH-Registrierungsnr.: 01-2119976355-27  
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Acute Tox. 4; H302 / Acute Tox. 4; H312 / Aquatic Acute 1 (M1); H400 / Aquatic Chronic 2 (M1); H411 / Skin Sens. 1; H317

Dodecanal: 0,1 % - 0,99 %  
CAS-Nummer: 112-54-9  
EINECS / ELINCS / NLP: 203-983-6  
REACH-Registrierungsnr.: 01-2119969441-33  
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Eye Irrit. 2; H319 / Skin Irrit. 2; H315 / Skin Sens. 1B; H317

Orange, sweet, ext.: 0,1 % - 0,99 %  
CAS-Nummer: 8028-48-6  
68514-75-0  
EINECS / ELINCS / NLP: 232-433-8  
REACH-Registrierungsnr.: 01-2119493353-35  
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Aquatic Chronic 2; H411 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315 / Skin Sens. 1; H317

l-p-Mentha-1(6),8-dien-2-on: 0,1 % - 0,99 %  
CAS-Nummer: 6485-40-1  
EU-Indexnummer: 606-148-00-8  
EINECS / ELINCS / NLP: 229-352-5  
REACH-Registrierungsnr.: 01-2119962458-25  
Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
Skin Sens. 1B; H317

Linalool: 0,1 % - 0,99 %  
CAS-Nummer: 78-70-6  
EU-Indexnummer: 603-235-00-2

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
Version/ Issue date: **8 / 11/03/2023**

Print date **11/07/2023**  
Page **3 of 11**

EINECS / ELINCS / NLP: 201-134-4

REACH-Registrierungsnr.: 01-2119474016-42

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Eye Irrit. 2; H319 / Skin Irrit. 2; H315 / Skin Sens. 1B; H317

1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-on: 0,01 % - 0,09 %

CAS-Nummer: 23696-85-7

23726-93-4

EINECS / ELINCS / NLP: 245-833-2

245-844-2

REACH-Registrierungsnr.: 01-2120105798-49

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Aquatic Chronic 2; H411 / Skin Irrit. 2; H315 / Skin Sens. 1A; H317

Decanal: 3 % - 9,99 %

CAS-Nummer: 112-31-2

EINECS / ELINCS / NLP: 203-957-4

REACH-Registrierungsnr.: 01-2119967771-26

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Aquatic Chronic 3; H412 / Eye Irrit. 2; H319

3,7-Dimethyloctan-3-ol: 3 % - 9,99 %

CAS-Nummer: 78-69-3

EINECS / ELINCS / NLP: 201-133-9

REACH-Registrierungsnr.: 01-2119454788-21

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Eye Irrit. 2; H319 / Skin Irrit. 2; H315 / Skin Sens. 1B; H317

Nonanal: 1 % - 2,49 %

CAS-Nummer: 124-19-6

EINECS / ELINCS / NLP: 204-688-5

REACH-Registrierungsnr.: 01-2119969440-35

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Aquatic Chronic 3; H412

1-Octanal: 1 % - 2,49 %

CAS-Nummer: 124-13-0

EINECS / ELINCS / NLP: 204-683-8

REACH-Registrierungsnr.: 01-2119638274-38

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Aquatic Chronic 3; H412 / Eye Irrit. 2; H319 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315

(R)-p-Mentha-1,8-dien: 1 % - 2,49 %

CAS-Nummer: 5989-27-5

EU-Indexnummer: 601-096-00-2

EINECS / ELINCS / NLP: 227-813-5

REACH-Registrierungsnr.: 01-2119529223-47

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Aquatic Acute 1 (M1); H400 / Aquatic Chronic 3; H412 / Asp. Tox. 1; H304 / Flam. Liq. 3; H226 / Skin Irrit. 2; H315 / Skin Sens. 1B; H317

3,7-dimethylnona-2,6-dienenitrile: 1 % - 2,49 %

CAS-Nummer: 61792-11-8

EINECS / ELINCS / NLP: 263-214-5

REACH-Registrierungsnr.: 01-2119967769-11

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2** Print date **11/07/2023**  
 Version/ Issue date: **8 / 11/03/2023** Page **4 of 11**

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):  
 Aquatic Chronic 2; H411

Allylhexanoat: 1 % - 2,49 %

CAS-Nummer: 123-68-2

EINECS / ELINCS / NLP: 204-642-4

REACH-Registrierungsnr.: 01-2119983573-26

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Acute Tox. 3; H301 / Acute Tox. 3; H311 / Acute Tox. 3; H331 / Aquatic Acute 1 (M1); H400 / Aquatic Chronic 3; H412

Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran: 0,1 % - 0,99 %

CAS-Nummer: 16409-43-1

EINECS / ELINCS / NLP: 240-457-5

REACH-Registrierungsnr.: 01-2119976300-42

Einstufung gemäß EG-Verordnung 1272/2008 (CLP):

Eye Irrit. 2; H319 / Repr. 2; H361 / Skin Irrit. 2; H315

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

General information	Remove affected person from the danger area and lay down. Do not leave affected person unattended. Show this safety data sheet to the doctor in attendance.
In case of inhalation	If unconscious but breathing normally, place in recovery position and seek medical advice. Seek medical aid in case of troubles.
In case of skin contact	Thoroughly clean the contaminated area with water.
After eye contact	Remove contact lenses, if any. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently seek the immediate attention of an ophthalmologist.
After swallowing	Keep airway open. Never give anything by mouth to an unconscious person. Seek medical treatment in case of troubles.

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

Symptoms No data available

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

Information to physician No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
Version/ Issue date:

**8 / 11/03/2023**

Print date **11/07/2023**  
Page **5 of 11**

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media dry extinguishing powder, Alcohol resistant foam , Carbon dioxide (CO2) , water mist

Extinguishing media which must not be used for safety reasons Full water jet

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

Possible combustion products May form dangerous gases and vapours in case of fire.

### 5.3 Advice for firefighters

Special protective equipment for firefighters

Additional information Do not allow water used to extinguish fire to enter drains, ground or waterways. +25°C.

## SECTION 6: Accidental release measures

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

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### 6.2 environmental precautions

Do not allow to penetrate into soil, waterbodies or drains. Leads to irritation of the mucous membranes.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

### 6.4 Reference to other sections

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling Avoid exposure - obtain special instructions before use. Do not breathe vapours. Avoid contact with skin, eyes, and clothing. When using do not eat, drink, smoke, sniff. Ensure all waste water is collected and treated via a waste water treatment plant. Personal protection equipment: see section 8

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

Requirements for storerooms and containers Keep container tightly closed in a cool, well-ventilated place. Protect from light. Do not store together with food.

Storage class 10

### 7.3 Specific end use(s)

General use Perfumes, fragrances, Formulation of fragranced products

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2** Print date **11/07/2023**  
 Version/ Issue date: **8 / 11/03/2023** Page **6 of 11**

## 8.2 Exposure controls

Respiratory protection	Avoid exceeding WEL threshold levels. Respiratory protection must be worn whenever the WEL levels have been exceeded. Filter Typ ABEK gemäß EN 14387 benutzen. Provide good ventilation and/or an exhaust system in the work area.
Hand protection	breakthrough time Short-term, accidental skin contact: Breakthrough time 10 min In case of prolonged or frequently repeated skin contact: If direct skin contact with the chemical is expected during work, then gloves conforming to EN 16523-1/ASTM F739 (or equivalent local standard) with a breakthrough time at least equal to the contact time must be worn. Breakthrough time: Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection	Use safety glasses conforming to EN 166/ANSI Z87.1 or equivalent local standards.
Body protection	EN 143. When handling larger quantities: face protection, rubber boots and rubber apron.
General protection and hygiene measures	Wash hands before breaks and immediately after using the product. Wash contaminated clothing prior to re-use.

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form	liquid
Colour	colourless
Odour	characteristic

Important health, safety and environmental information

	min	max		
Melting point/freezing point	---	---		
Initial boiling point and boiling range	---	---		
Flammability			---	
Explosion limits	---	---		
Flash point/flash point range	> 84 °C c.c.	---		
Ignition temperature	---	---		
PH	---	---	---	---
Viscosity	---	---	---	---
Solubility	---	---	---	---
Partition coefficient: n-octanol/water	---	---		---
Vapour pressure	0,2165 hPa	---	20 °C	---
Density and/or relative density	0,87142 g/cm <sup>3</sup>	---	20 °C	---
Relative vapour density	---	---		---
Bulk density	---	---	---	
Flow time 4mm (DIN)	---			
Water solubility	---			

### 9.2 Other information

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
Version/ Issue date:

**8 / 11/03/2023**

Print date **11/07/2023**  
Page **7 of 11**

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	No data available
<b>10.2 Chemical stability</b>	No data available
<b>10.3 Possibility of hazardous reactions</b>	Electrical installations must be suitable for temperature class T2.
<b>10.4 Conditions to avoid</b>	No data available
<b>10.5 Incompatible materials</b>	No data available
<b>10.6 Hazardous decomposition products</b>	No data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### General remarks

No data available

#### Toxicological tests: components

##### 2,4-Dimethylcyclohex-3-ene-1-carbaldehyde

oral	LD50	3100.0	mg/kg	-
------	------	--------	-------	---

*Rat*

dermal	LD50	5000.0	mg/kg	-
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*Rabbit*

#### Toxicological tests: components

##### Allyl 3-cyclohexylpropionate

oral	LD50	1051.0	mg/kg	-
------	------	--------	-------	---

*Rat*

dermal	LD50	1600.0	mg/kg	-
--------	------	--------	-------	---

*Rabbit*

#### Toxicological tests: components

##### Dodecanal

oral	LD50	23100.0	mg/kg	-
------	------	---------	-------	---

*Rat*

#### Toxicological tests: components

##### Orange, sweet, ext.

oral	LD50	5000.0	mg/kg	-
------	------	--------	-------	---

*Rat*

#### Toxicological tests: components

##### l-p-mentha-1(6),8-dien-2-one

oral	LD50	3800.0	mg/kg	-
------	------	--------	-------	---

*Rat*

#### Toxicological tests: components

##### Linalool

oral	LD50	2790.0	mg/kg	-
------	------	--------	-------	---

*Rat*

#### Toxicological tests: components

##### 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one

oral	LD50	2900.0	mg/kg	-
------	------	--------	-------	---

*Rat*

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
 Version/ Issue date:

**8 / 11/03/2023**

Print date **11/07/2023**  
 Page **8 of 11**

## Toxicological tests: components

### **Decanal**

oral	LD50	33320.0	mg/kg	-
------	------	---------	-------	---

*Rat*

dermal	LD50	4173.0	mg/kg	-
--------	------	--------	-------	---

*Rabbit*

## Toxicological tests: components

### **3,7-Dimethyloctan-3-ol**

oral	LD50	5000.0	mg/kg	-
------	------	--------	-------	---

*Rat*

dermal	LD50	5000.0	mg/kg	-
--------	------	--------	-------	---

*Rabbit*

## Toxicological tests: components

### **Nonanal**

oral	LD50	5000.0	mg/kg	-
------	------	--------	-------	---

*Rat*

dermal	LD50	5000.0	mg/kg	-
--------	------	--------	-------	---

*Rabbit*

## Toxicological tests: components

### **1-Octanal**

dermal	LD50	5000.0	mg/kg	-
--------	------	--------	-------	---

*Rabbit*

## Toxicological tests: components

### **(R)-p-Mentha-1,8-diene**

oral	LD50	5600.0	mg/kg	-
------	------	--------	-------	---

*Mouse*

dermal	LD50	5000.0	mg/kg	-
--------	------	--------	-------	---

*Rabbit*

## Toxicological tests: components

### **3,7-dimethylnona-2,6-dienenitrile**

oral	LD50	2600.0	mg/kg	-
------	------	--------	-------	---

*Rat*

dermal	LD50	5000.0	mg/kg	-
--------	------	--------	-------	---

*Rabbit*

## Toxicological tests: components

### **Allyl hexanoate**

oral	LD50	218.0	mg/kg	-
------	------	-------	-------	---

*Rat*

dermal	LD50	300.0	mg/kg	-
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*Rabbit*



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
Version/ Issue date:

8 / 11/03/2023

Print date **11/07/2023**  
Page **9 of 11**

## **11.2 Information on other hazards**

Endocrine disrupting properties

The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.  
No data available

Further details

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Aquatic toxicity No data available

### **12.2 Persistence and degradability**

Evaluation text No data available  
Degree of elimination No data available  
Analytical method No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

### **12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher.

### **12.6 Endocrine disrupting properties**

The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

### **12.7 Other adverse effects**

An environmental hazard cannot be ruled out in the event of improper handling or disposal. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Product**

Recommendation Discharge into the environment must be avoided. C15H30O2 Dispose of contents/container in accordance with local/regional/national/international regulation.

#### **Package**

Recommendation Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
 Version/ Issue date:

**8 / 11/03/2023**

Print date **11/07/2023**  
 Page **10 of 11**

**SECTION 14: Transport information**

**14.1 UN number**

ADR, IATA, IMDG not regulated

**14.2 UN proper shipping name**

Product designation: ADR/RID No dangerous good in sense of these transport regulations.  
 Proper shipping name: IATA-DGR ---  
 Proper shipping name: IMDG ---

**14.3 Transport hazard class(es)**

Class ADR/RID ---  
 Classification code ---  
 ADR/RID ---  
 Class IATA-DGR ---  
 Subrisk IATA-DGR ---  
 Class IMDG ---  
 Subrisk IMDG ---

**14.4 Packing group**

ADR, IATA, IMDG ---

**14.5 Environmental hazards**

Marine Pollutant - IMDG ---  
 EmS ---  
 Stowage and segregation ---

**14.6 Special precautions for user**

No dangerous good in sense of these transport regulations.

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

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**Additional information**

EQ ---  
 Limited quantities ---  
 Special Provisions ---  
 Tunnel restriction ---  
 Transport category ---  
 Kemmler-number ---

No dangerous good in sense of these transport regulations.

**SECTION 15: Regulatory information**

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

**National regulations**

**Germany**

Storage class 10  
 Water Hazard Class 2  
 Incident regulation ---  
 Information on working limitations ---

**15.2 Chemical Safety Assessment**

Chemical Safety Assessment ---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name **13583-401-2**  
 Version/ Issue date:

**8 / 11/03/2023**

Print date **11/07/2023**  
 Page **11 of 11**

## SECTION 16: Other information

### Hazard statements (CLP)

- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H361 Suspected of damaging fertility or the unborn child.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H400 Very toxic to aquatic life.

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 Reason of change ---

### Abbreviations

- no data, not determined or not applicable
- REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No. 1907/2006)
- OECD Organisation for Economic Co-operation and Development
- LD50 Median lethal dose
- LC50 Median lethal concentration
- EC50 Median effective dose
- IC50 Median inhibitory concentration
- VCI Verband der chemischen Industrie
- CAS Chemical Abstract Service
- EINECS European Inventory of Existing Commercial Chemical Substances
- ELINCS European List of Notified Chemical Substances
- NLP No Longer Polymers
- CLP Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging
- EG European Union
- WGK water hazard class (according to AwSV, Appendix 1 (5.2))
- AGW Occupational Exposure Limit
- ADR Accord Européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulation on the international carriage of dangerous goods by rail)
- IATA International Air Transport Association
- IMDG International Maritime Dangerous Goods
- MARPOL International Convention for the Prevention of Pollution From Ships (MARine POLLution)
- EmS Emergency Schedules
- PBT persistent, bioaccumulative and toxic
- vPvB very persistent and very bioaccumulative