

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

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

### 1.1 Product identifier

**Trade name:** *TINTING PASTE*

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Identified uses: professional use.  
Application of the substance / the mixture Stainer

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

**Manufacturer/Supplier:**

Chemical Alliance Polska Sp. z o.o.

ul. Prosta 23, Łozienica

72-100 Goleniów

Tel. +48 91 41 65 440

Fax: +48 91 41 65 487

info@cap.pl

**Further information obtainable from:** sds@cap.pl

**1.4 Emergency telephone number:** +48 91 41 65 440 (8:00-16:00)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

#### **Hazard pictograms**



GHS02

**Signal word** Warning

#### **Hazard statements**

H226 Flammable liquid and vapour.

#### **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P271 Use only outdoors or in a well-ventilated area.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

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

**PBT:** Not applicable.

**vPvB:** Not applicable.

## \* SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 1)

<b>Dangerous components:</b>		
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	5-15%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
CAS: 112-07-2 EINECS: 203-933-3 Reg.nr.: 01-2119475112-47	2-butoxyethyl acetate ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332	1-5%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	1-5%

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information:

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

##### After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

#### 5.3 Advice for firefighters

##### Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

##### Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

(Contd. on page 3)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 2)

Ensure adequate ventilation

Keep away from ignition sources.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Do not flush with water or aqueous cleansing agents

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Do not eat, drink, smoke or sniff while working.

Do not allow to enter sewers/ surface or ground water.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Fumes can combine with air to form an explosive mixture.

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

**Storage:**

**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidising agents.

**Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

**7.3 Specific end use(s)** No further relevant information available.

### \* SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

#### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

##### 108-65-6 2-methoxy-1-methylethyl acetate

WEL (Great Britain)	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk
---------------------	--

IOELV (EU)	Short-term value: 550 mg/m <sup>3</sup> , 100 ppm Long-term value: 275 mg/m <sup>3</sup> , 50 ppm Skin
------------	--

##### 1330-20-7 xylene

WEL (Great Britain)	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
---------------------	--

IOELV (EU)	Short-term value: 442 mg/m <sup>3</sup> , 100 ppm Long-term value: 221 mg/m <sup>3</sup> , 50 ppm Skin
------------	--

(Contd. on page 4)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 3)

Continued on page 2

<b>112-07-2 2-butoxyethyl acetate</b>		
WEL (Great Britain)		Short-term value: 332 mg/m <sup>3</sup> , 50 ppm Long-term value: 133 mg/m <sup>3</sup> , 20 ppm Sk
IOELV (EU)		Short-term value: 333 mg/m <sup>3</sup> , 50 ppm Long-term value: 133 mg/m <sup>3</sup> , 20 ppm Skin
<b>123-86-4 n-butyl acetate</b>		
WEL (Great Britain)		Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
<b>DNELs</b>		
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>		
Dermal	DNEL	153.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	275 mg/m <sup>3</sup> (long-term - systemic effects, workers)
<b>1330-20-7 xylene</b>		
Dermal	DNEL	180 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	289 mg/m <sup>3</sup> (acute - systemic effects, workers)
		289 mg/m <sup>3</sup> (acute - local effects, workers)
		77 mg/m <sup>3</sup> (long-term - systemic effects, workers)
		77 mg/m <sup>3</sup> (long-term - local effects, workers)
<b>112-07-2 2-butoxyethyl acetate</b>		
Dermal	DNEL	102 mg/kg bw/day (acute - systemic effects, workers)
Inhalative	DNEL	102 mg/kg bw/day (long-term - systemic effects, workers)
		775 mg/m <sup>3</sup> (acute - systemic effects, workers)
		333 mg/m <sup>3</sup> (acute - local effects, workers)
		133 mg/m <sup>3</sup> (long-term - local effects, workers)
<b>123-86-4 n-butyl acetate</b>		
Dermal	DNEL	7 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	960 mg/m <sup>3</sup> (acute - systemic effects, workers)
		960 mg/m <sup>3</sup> (acute - local effects, workers)
		480 mg/m <sup>3</sup> (long-term - systemic effects, workers)
		480 mg/m <sup>3</sup> (long-term - local effects, workers)
<b>PNECs</b>		
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>		
PNEC	0.635 mg/l (freshwater environment)	
	0.0635 mg/l (marine environment)	
	6.35 mg/l (intermittent releases)	
	100 mg/l (sewage treatment plants)	
PNEC	3.29 mg/kg (freshwater sediment environment)	
	0.329 mg/kg (marine sediment environment)	
<b>1330-20-7 xylene</b>		
PNEC	0.327 mg/l (freshwater environment)	
	6.58 mg/l (sewage treatment plants)	
PNEC	12.46 mg/kg (freshwater sediment environment)	
	2.31 mg/kg (soil)	
<b>112-07-2 2-butoxyethyl acetate</b>		
PNEC	0.304 mg/l (freshwater environment)	

(Contd. on page 5)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 4)

PNEC	0.0304 mg/l (marine environment)
	0.56 mg/l (intermittent releases)
	90 mg/l (sewage treatment plants)
	2.03 mg/kg (freshwater sediment environment)
	0.203 mg/kg (marine sediment environment)
	0.68 mg/kg (soil)
<b>123-86-4 n-butyl acetate</b>	
PNEC	0.18 mg/l (freshwater environment)
	0.018 mg/l (marine environment)
	0.36 mg/l (intermittent releases)
	35.6 mg/l (sewage treatment plants)
PNEC	0.981 mg/kg (freshwater sediment environment)
<b>Ingredients with biological limit values:</b>	
<b>1330-20-7 xylene</b>	
BMGV (Great Britain)	650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: methyl hippuric acid

**Additional information:** The lists valid during the making were used as basis.

## 8.2 Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

#### Protection of hands:



Protective gloves

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

#### Material of gloves

Fluorocarbon rubber (Viton)

Recommended thickness of the material:  $\geq 0,7$  mm

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material

Value for the permeation: Level 6  $\geq 480$  min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection:



Tightly sealed goggles

(Contd. on page 6)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 5)

**Body protection:** Protective work clothing

**\* SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Pasty
<b>Colour:</b>	Different according to colouring
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

<b>pH-value:</b>	Not applicable.
------------------	-----------------

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	124 °C Undetermined.

<b>Flash point:</b>	24 °C
---------------------	-------

<b>Flammability (solid, gaseous):</b>	Not applicable.
---------------------------------------	-----------------

<b>Decomposition temperature:</b>	Not determined.
-----------------------------------	-----------------

<b>Auto-ignition temperature:</b>	Not determined.
-----------------------------------	-----------------

<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
-----------------------------	---

**Explosion limits:**

<b>Lower:</b>	1.0 Vol %
<b>Upper:</b>	15.0 Vol %

<b>Vapour pressure at 20 °C:</b>	10.7 hPa
----------------------------------	----------

<b>Density:</b>	1.04-1.20 g/cm <sup>3</sup>
-----------------	-----------------------------

<b>Vapour density</b>	Not determined.
-----------------------	-----------------

<b>Evaporation rate</b>	Not determined.
-------------------------	-----------------

**Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

<b>Partition coefficient (n-octanol/water):</b>	Not determined.
---	-----------------

**Viscosity:**

<b>Dynamic:</b>	Not determined.
-----------------	-----------------

<b>Kinematic:</b>	Not determined.
-------------------	-----------------

<b>9.2 Other information</b>	No further relevant information available.
------------------------------	--

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No decomposition if used according to specifications.

**10.2 Chemical stability** No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions**

Reacts with alkali, amines and strong acids.

Reacts with oxidising agents.

Fumes can combine with air to form an explosive mixture.

**10.4 Conditions to avoid** Protect from heat and direct sunlight.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

(Contd. on page 7)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 6)

Formation of toxic gases is possible during heating or in case of fire.

### \* SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

##### LD/LC50 values relevant for classification:

##### 108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/6 h	4345 mg/l (rat)

##### 1330-20-7 xylene

Oral	ATE	>2000 mg/kg
Dermal	ATE	1466.67 mg/kg
Inhalative	ATE	12.09 mg/l (vapour)

##### 112-07-2 2-butoxyethyl acetate

Oral	LD50	1880 mg/kg (rat)
Dermal	LD50	1500 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)

##### 123-86-4 n-butyl acetate

Oral	LD50	10760 mg/kg (rat)
Dermal	LD50	10760 mg/kg (rat)
		>14000 mg/kg (rabbit)
Inhalative	LC50/4 h	23.4 mg/l (rat)

##### Primary irritant effect:

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

### \* SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

##### 108-65-6 2-methoxy-1-methylethyl acetate

LC50/96 h	>100 mg/l (fish)
EC50/48 h	>500 mg/l (Daphnia magna)
EC20/30 min	>1000 mg/l (microorganisms)
EC50/72 h	>1000 mg/l (Pseudokirchnerella subcapitata)
EC50	>100 mg/l (Pseudokirchnerella subcapitata)
	>100 mg/l (Pimephales promelas)
	>100 mg/l (Daphnia magna)

(Contd. on page 8)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 7)

<b>1330-20-7 xylene</b>	
LC50/96 h	2.6 mg/l (fish)
IC50/72 h	2.2 mg/l (algae)
EC50/48 h	>1-10 mg/l (Daphnia magna)
EC50/24 h	96 mg/l (microorganisms)
<b>112-07-2 2-butoxyethyl acetate</b>	
EC50/72 h	>100 mg/l (Scenedesmus subspicatus)
EC50/24 h	>100 mg/l (Daphnia magna)
LC50/48 h	10-100 mg/l (Leuciscus idus melanotus)
<b>123-86-4 n-butyl acetate</b>	
LC50/96 h	18 mg/l (Pimephales promelas)
TT/16 h	115 mg/l (Pseudomonas putida)
EC50/48 h	44 mg/l (daphnia)
EC50/72 h	675 mg/l (algae)
<b>12.2 Persistence and degradability</b>	
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
Biodegradation	100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)
<b>1330-20-7 xylene</b>	
Biodegradation	>60 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)
<b>112-07-2 2-butoxyethyl acetate</b>	
Biodegradation	>70 % (readily biodegradable) (OECD 301C, 28d)
<b>123-86-4 n-butyl acetate</b>	
Biodegradation	83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)
<b>12.3 Bioaccumulative potential</b>	
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
log Pow	0.56
<b>1330-20-7 xylene</b>	
BCF	25.9
log Pow	3.15
<b>123-86-4 n-butyl acetate</b>	
BCF	15.3 (-)
log Pow	2.3
<b>12.4 Mobility in soil</b>	
<b>108-65-6 2-methoxy-1-methylethyl acetate</b>	
Koc	1.7
<b>123-86-4 n-butyl acetate</b>	
log Koc	1.27

**Additional ecological information:**
**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

(Contd. on page 9)



**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 8)

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
-----------	---

##### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

#### 14.1 UN-Number

ADR, IMDG, IATA

UN1263

#### 14.2 UN proper shipping name

ADR

1263 PAINT

IMDG, IATA

PAINT

#### 14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class

3

Label

3

#### 14.4 Packing group

ADR, IMDG, IATA

III

#### 14.5 Environmental hazards:

Marine pollutant (IMDG):

No

#### 14.6 Special precautions for user

Danger code (Kemler):

Warning: Flammable liquids.

30

EMS Number:

F-E, S-E

Stowage Category

A

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

#### Transport/Additional information:

ADR

Limited quantities (LQ)

5L

Transport category

3

Tunnel restriction code

D/E

IMDG

Limited quantities (LQ)

5L

UN "Model Regulation":

UN 1263 PAINT, 3, III

### \* SECTION 15: Regulatory information

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

(Contd. on page 10)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 31.03.2016

V- 2

Revision: 29.03.2016

**Trade name: TINTING PASTE**

(Contd. of page 9)

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**Seveso category P5c** FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**National regulations:****Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**\* SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

SVHC: Substances of Very High Concern

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

**Sources** European Chemicals Agency, <http://echa.europa.eu/>**\* Data compared to the previous version altered.**