

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 12.12.2023

Version number 9.0 (replaces version 8.1)

Revision: 12.12.2023

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

#### 1.1 Product identifier

**Trade name:** UV-Protection-Oil Extra

**Article number:** 420 Clear Satin

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

No further relevant information available.

#### Application of the substance / the mixture

Paint  
Coating compound/ Surface coating/ paint

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

**Manufacturer/Supplier:** Osmo Holz und Color GmbH & Co. KG  
Affhüppen Esch 12  
D-48231 Warendorf  
Germany

#### Further information obtainable from:

Product safety department  
Tel.: +49 (0) 251 / 692 - 188  
Fax: +49 (0) 251 / 692 - 462  
e-mail: [helmut.starp@osmo.de](mailto:helmut.starp@osmo.de)

#### 1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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

#### 2.2 Label elements

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements** P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing.

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

P273 Avoid release to the environment.

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

**Additional information:** EUH208 Contains 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

Contains biocidal products: 3-Iodo-2-propynylbutylcarbamate

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**2.3 Other hazards**

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

Always wear a dust mask when sanding.

Observe the general safety regulations when handling chemicals.

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

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**
**Description:** Mixture of substances listed below with nonhazardous additions.
**Dangerous components:**

CAS: 64742-48-9 EC number: 918-481-9	aliphatic hydrocarbons, C10-C13 ----- ☠ Asp. Tox. 1, H304, EUH066	25–50%
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	10–25%
CAS: 127519-17-9 ELINCS: 407-000-3 Index number: 607-281-00-4	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl] propionates ----- ☠ Aquatic Chronic 2, H411	<3%
CAS: 55406-53-6 EINECS: 259-627-5 Index number: 616-212-00-7	3-Iodo-2-propynylbutylcarbamate ----- ☠ Acute Tox. 2, H330; ☠ STOT RE 1, H372; ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); ☠ Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1–<0.25%

**SVHC** Not applicable.**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:**

Take affected persons out into the fresh air.

Immediately remove any clothing soiled by the product.

**After inhalation:**

Supply fresh air; consult doctor in case of complaints.

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

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

If skin irritation or rash occurs: Get medical advice/attention.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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**After swallowing:**

Rinse mouth.

If swallowed, seek medical advice immediately and show this container or label.

Do NOT induce vomiting.

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

Headache

Dizziness

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

If swallowed or in case of vomiting, danger of entering the lungs.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:**

Water with full jet

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

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

Carbon monoxide (CO)

carbon dioxide (CO<sub>2</sub>)**5.3 Advice for firefighters****Protective equipment:**

Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

General measures for chemical fires.

**Additional information**

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

Cool endangered receptacles with water spray.

**SECTION 6: Accidental release measures**

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

Ensure adequate ventilation

Keep away from ignition sources.

Wear protective clothing.

**For non-emergency personnel**

No action shall be taken involving any personal risk or without suitable training.

**For emergency responders**

Wear protective equipment. Keep unprotected persons away.

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**6.2 Environmental****precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

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).

Dispose of the material collected according to regulations.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

**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**

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Avoid contact with skin and eyes.

**General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

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

Do not carry product impregnated cleaning cloths in trouser pockets.

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

Keep respiratory protective device available.

**Handling:**

Even a small sip can lead to life-threatening damage to the lungs. Keep rags filled with this liquid out of the reach of children.

**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:** Not required.

**Further information about****storage conditions:**

Store receptacle in a well ventilated area.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

**Storage class:**

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

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

**8.1 Control parameters**

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

**64742-48-9 aliphatic hydrocarbons, C10-C13**

TWA	Short-term value: 1200 mg/m <sup>3</sup> CEFIC-HSPA
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**34590-94-8 Dipropylene glycol monomethyl ether**

IOELV	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Skin
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**DNELs**

**34590-94-8 Dipropylene glycol monomethyl ether**

Oral	DNEL Verbraucher (Langzeit - systemische Effekte)	36 mg/kgKG/Tag
Dermal	DNEL Verbraucher (Langzeit - systemische Effekte)	121 mg/cm <sup>2</sup>
Inhalative	Worker (chronic - Systemic health effec)	308 mg/m <sup>3</sup>
	DNEL Verbraucher (Lanzzeit - systemische Effekte)	37.2 mg/m <sup>3</sup>

**PNECs**

**34590-94-8 Dipropylene glycol monomethyl ether**

PNEC sea water	1.9 mg/l
PNEC fresh water	19 mg/l
PNEC sediment (fresh water)	70.2 mg/kg
PNEC sediment (sea water)	7.02 mg/kg
PNEC soil	2.74 mg/kg
PNEC sewage treatment plant interrupted release	4,168 mg/l 190 mg/l

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

**8.2 Exposure controls**

**Appropriate engineering controls**

No further data; see section 7.  
 Ensure good ventilation/exhaustion at the workplace.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.  
 Do not carry product impregnated cleaning cloths in trouser pockets.  
 Immediately remove all soiled and contaminated clothing  
 Keep away from foodstuffs, beverages and feed.  
 Avoid contact with the eyes and skin.  
 Do not inhale gases / fumes / aerosols.

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<b>Respiratory protection:</b>	Not necessary if room is well-ventilated. Use suitable respiratory protective device only when aerosol or mist is formed. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Half mask with round thread connection EN 148-1 (screw-on filter) and combination filter A1 - P2 according to German DIN EN 14387.
<b>Hand protection</b>	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
<b>Material of gloves</b>	Nitrile rubber, NBR
<b>Penetration time of glove material</b>	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>For the permanent contact gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR Recommended thickness of the material: $\geq 0.4$ mm For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
<b>As protection from splashes gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR
<b>Eye/face protection</b>	If risk of splashing: Safety glasses according to EN 166:2001 (e.g. densely closing frame glasses with side protection)
<b>Body protection:</b>	Protective work clothing

### SECTION 9: Physical and chemical properties

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

##### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Mild
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	> 180 °C
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7.0 Vol %

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<b>Flash point:</b>	≥ 65 °C (DIN EN ISO 2719)
<b>Auto-ignition temperature:</b>	240 °C
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Mixture is non-polar/aprotic.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 20 °C</b>	>50 s (DIN EN ISO 2431/3mm) >21 mm <sup>2</sup> /s (40°C) (calculated)
<b>Dynamic:</b>	Not determined.
<b>Solubility water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.95 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.

### 9.2 Other information

**Appearance:**
**Form:** Fluid

**Important information on protection of health and environment, and on safety.**
**Ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Change in condition**
**Evaporation rate** Not determined.

### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void

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**Corrosive to metals**

Void

**Desensitised explosives**

Void

### SECTION 10: Stability and reactivity

**10.1 Reactivity**

No further relevant information available.

**10.2 Chemical stability****Thermal decomposition /****conditions to be avoided:**

No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions**

Reacts with fabric soaked in the product (e.g. cleaning wool).

**10.4 Conditions to avoid**

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

**10.5 Incompatible materials:**

No further relevant information available.

**10.6 Hazardous****decomposition products:**

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

Carbon monoxide and carbon dioxide

Nitrogen oxides (NO<sub>x</sub>)**Additional information:**

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

### SECTION 11: Toxicological information

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

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

**LD/LC50 values relevant for classification:****64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral LD50 &gt;5,000 mg/kg (rat)

Dermal LD50 &gt;5,000 mg/kg (rat)

Inhalative LC50 / 4h &gt;5 mg/l (rat)

**34590-94-8 Dipropylene glycol monomethyl ether**

Oral LD50 &gt;5,000 mg/kg (rat)

Dermal LD50 &gt;19,020 mg/kg (rat)

13,000–14,000 mg/kg (rabbit)

Inhalative LC50 / 4h 1,667 mg/l (rat)

LC50 / 72h 0.76 mg/l (senastrum capricornutum)

**55406-53-6 3-Iodo-2-propynylbutylcarbamate**

Oral LD50 500 mg/kg (rat)

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Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 / 4h	0.67 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)

**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.

**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.

**Subacute to chronic toxicity:** Based on available data, the classification criteria are not met.

**Additional toxicological**

**information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

**Sensitisation**

Contains 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

**12.1 Toxicity**

**Aquatic toxicity:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h >1,000 mg/l (Daphnia magna)

IC50 / 72h >1,000 mg/l (algae)

LC50 / 96h >1,000 mg/l (fish)

**34590-94-8 Dipropylene glycol monomethyl ether**

EC50 / 48h 70.2 mg/l

1,919 mg/l (Daphnia magna)

LC50 / 96h 5.3 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

LC50 / 48h 10.2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

**127519-17-9 A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates**

EC50 / 48h 3.2 mg/l (Daphnia magna) (24h EC 50 acute immobilisation test)

Bioconceived factor <3 (Flow-through fish test)

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**55406-53-6 3-Iodo-2-propynylbutylcarbamate**

EC50 / 48h	0.16 mg/l (Daphnia magna)
EC50/ 72h	0.022 mg/l (algae)

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

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

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**
**Remark:** Harmful to aquatic life with long lasting effects.  
Harmful to fish

**Behaviour in sewage processing plants:**
**55406-53-6 3-Iodo-2-propynylbutylcarbamate**

EC50/ 96h	0.067 mg/l (Oncorhynchus mykiss (Regenbogenforelle))
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**Additional ecological information:**
**General notes:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
 Danger to drinking water if even small quantities leak into the ground.  
 Harmful to aquatic organisms

### 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.  
 Disposal must be made according to official regulations.

**European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances

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

**Recommended cleansing agents:**

Solvent naphtha

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Osmo Brush Cleaner and Thinner

**SECTION 14: Transport information**

<b>14.1 UN number or ID number</b> ADR, ADN, IMDG, IATA	Not applicable
<b>14.2 UN proper shipping name</b> ADR, ADN, IMDG, IATA	Not applicable
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA Class	Not applicable
<b>14.4 Packing group</b> ADR, IMDG, IATA	Not applicable
<b>14.5 Environmental hazards:</b> Marine pollutant:	No
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>UN "Model Regulation":</b>	Not applicable

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

Named dangerous

substances - ANNEX I

None of the ingredients is listed.

REGULATION (EC) No

1907/2006 ANNEX XVII

Conditions of restriction: 3

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

REGULATION (EU) 2019/1148

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations:**
**Marking in accordance with biocide guideline 98/8/EG**

55406-53-6 | 3-Iodo-2-propynylbutylcarbamate

1 g/kg

**VOC (EC)** < 400 g/l (VOC-max. Cat A/e (2010) = 400 g/l)

**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.

<b>Relevant phrases</b>	H302 Harmful if swallowed.
	H304 May be fatal if swallowed and enters airways.
	H317 May cause an allergic skin reaction.
	H318 Causes serious eye damage.
	H330 Fatal if inhaled.
	H372 Causes damage to organs through prolonged or repeated exposure.
	H400 Very toxic to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
	H411 Toxic to aquatic life with long lasting effects.
	EUH066 Repeated exposure may cause skin dryness or cracking.

**Classification according to**
**Regulation (EC) No 1272/2008** The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing SDS:** product safety department

**Contact:** Hr. Dr. Starp

**Date of previous version:** 31.01.2020

**Version number of previous version:** 8.1

**Abbreviations and acronyms:** ADR: Accord relatif au transport international 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

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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  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Acute Tox. 4: Acute toxicity – Category 4  
 Acute Tox. 2: Acute toxicity – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Skin Sens. 1: Skin sensitisation – Category 1  
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**Sources**

Safety data sheets from raw material suppliers  
 ESIS : European chemical Substances Information System  
 ECHA Portal

**\* Data compared to the  
 previous version altered.**

Additions, Deletions, Revisions  
 Updated according to regulation (EU) 2020/878 amending regulation (EC) No:  
 1907/2006 (REACH)