

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

Printing date 09.09.2022

V- 6.0 (replaces version 5.0)

Revision: 09.09.2022

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

**1.1 Product identifier**

**Trade name:** Nitro putty SOLL NITRO

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

**Application of the substance / the mixture** Filler/ Extender

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

**Manufacturer/Supplier:** UAB HELVINA  
 Parko str. 96, Ramučiai  
 LT-54464 Kaunas district  
 Tel. +370 37 308901  
 Fax. +370 37 308902  
 info@helvina.lt; www.helvina.lt

**Further information obtainable from:** info@helvina.lt

**1.4 Emergency telephone number:** Poison control and information office: Tel.: +370 5 236 2052 or +370 687 53378

## SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture**

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



GHS02

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS05

Eye Dam. 1 H318 Causes serious eye damage.

**2.2 Label elements**

**Labelling according to**

**Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

**Hazard pictograms**



GHS02 GHS05

**Signal word**

Danger

**Hazard-determining components of labelling:**

butan-1-ol

**Hazard statements**

H225 Highly flammable liquid and vapour.  
 H318 Causes serious eye damage.

**Precautionary statements**

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

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P233	Keep container tightly closed.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.  
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**Labelling of packages where the contents do not exceed 125 ml****Hazard pictograms**

GHS02 GHS05

**Signal word**

Danger

**Hazard-determining components****of labelling:**

butan-1-ol

**Hazard statements**

H318 Causes serious eye damage.

**Precautionary statements**

P280 Wear eye protection / face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.3 Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**Determination of endocrine-disrupting properties**

78-93-3 butanone: List II

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:**

Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 123-86-4	n-butyl acetate	5-15%
EINECS: 204-658-1	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066	
Reg.nr.: 01-2119485493-29		
CAS: 13463-67-7	titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	2.5-<10%
EINECS: 236-675-5	⚠ Carc. 2, H351	
Reg.nr.: 01-2119489379-17		
CAS: 9004-70-0	nitrocellulose, containing a maximum of 12,6 % nitrogen	2.5-10%
	⚠ Flam. Sol. 1, H228	
CAS: 78-93-3	butanone	2.5-10%
EINECS: 201-159-0	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	
Reg.nr.: 01-2119457290-43		

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CAS: 1330-20-7	xylene	1-5%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4,	
Reg.nr.: 01-2119488216-32	H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	
CAS: 71-36-3	butan-1-ol	1-5%
EINECS: 200-751-6	⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2,	
Reg.nr.: 01-2119484630-38	H315; STOT SE 3, H335-H336	
CAS: 123-42-2	4-hydroxy-4-methylpentan-2-one	0.1-<1%
EINECS: 204-626-7	⚠ Flam. Liq. 3, H226; ⚠ Repr. 2, H361d; ⚠ Eye Irrit. 2, H319; STOT SE 3, H335	
Reg.nr.: 01-2119473975-21	Specific concentration limit: Eye Irrit. 2; H319: C ≥ 10 %	
CAS: 64-17-5	ethanol	0.1-<1%
EINECS: 200-578-6	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	
Reg.nr.: 01-2119457610-43		
CAS: 100-41-4	ethylbenzene	0.1-1%
EINECS: 202-849-4	⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4,	
Reg.nr.: 01-2119489370-35	H332; Aquatic Chronic 3, H412	

**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

<b>General information:</b>	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.
<b>After inhalation:</b>	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
<b>After skin contact:</b>	Immediately wash with water and soap and rinse thoroughly.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<b>After swallowing:</b>	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>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.

### 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.

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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.  
Ensure adequate ventilation  
Keep away from ignition sources.  
Avoid contact with the eyes and skin.

**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.  
Dispose of the material collected according to regulations.

**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).  
Avoid contact with the eyes and skin.  
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.  
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 in a cool location.  
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:**

Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Store receptacle in a well ventilated area.

**7.3 Specific end use(s)**

No further relevant information available.

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**\* SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****123-86-4 n-butyl acetate**

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

IOELV (EU) Short-term value: 723 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 241 mg/m<sup>3</sup>, 50 ppm

**13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

WEL (Great Britain) Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable \*\*respirable

**78-93-3 butanone**

WEL (Great Britain) Short-term value: 899 mg/m<sup>3</sup>, 300 ppm  
Long-term value: 600 mg/m<sup>3</sup>, 200 ppm  
Sk, BMGV

IOELV (EU) Short-term value: 900 mg/m<sup>3</sup>, 300 ppm  
Long-term value: 600 mg/m<sup>3</sup>, 200 ppm

**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

**71-36-3 butan-1-ol**

WEL (Great Britain) Short-term value: 154 mg/m<sup>3</sup>, 50 ppm  
Sk

**123-42-2 4-hydroxy-4-methylpentan-2-one**

WEL (Great Britain) Short-term value: 362 mg/m<sup>3</sup>, 75 ppm  
Long-term value: 241 mg/m<sup>3</sup>, 50 ppm

**64-17-5 ethanol**

WEL (Great Britain) Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

**100-41-4 ethylbenzene**

WEL (Great Britain) Short-term value: 552 mg/m<sup>3</sup>, 125 ppm  
Long-term value: 441 mg/m<sup>3</sup>, 100 ppm  
Sk

IOELV (EU) Short-term value: 884 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 442 mg/m<sup>3</sup>, 100 ppm  
Skin

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PNEC 0.981 mg/kg (freshwater sediment environment)

**13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]**

PNEC 0.184 mg/l (freshwater environment)

0.0184 mg/l (marine environment)

0.193 mg/l (intermittent releases)

100 mg/l (sewage treatment plants)

PNEC 1,000 mg/kg (freshwater sediment environment)

100 mg/kg (marine sediment environment)

100 mg/kg (soil)

**78-93-3 butanone**

PNEC 55.8 mg/l (freshwater environment)

55.8 mg/l (marine environment)

55.8 mg/l (intermittent releases)

709 mg/l (sewage treatment plants)

PNEC 284.74 mg/kg (freshwater sediment environment)

284.7 mg/kg (marine sediment environment)

22.5 mg/kg (soil)

**1330-20-7 xylene**

PNEC 0.327 mg/l (freshwater environment)

0.327 mg/l (marine environment)

PNEC 12.46 mg/kg (freshwater sediment environment)

12.46 mg/kg (marine sediment environment)

**71-36-3 butan-1-ol**

PNEC 0.082 mg/l (freshwater environment)

0.0082 mg/l (marine environment)

2.25 mg/l (intermittent releases)

2,476 mg/l (sewage treatment plants)

PNEC 0.0178 mg/kg (marine environment)

0.178 mg/kg (freshwater sediment environment)

0.015 mg/kg (soil)

**123-42-2 4-hydroxy-4-methylpentan-2-one**

PNEC 2 mg/l (freshwater environment)

0.2 mg/l (marine environment)

1 mg/l (intermittent releases)

82 mg/l (sewage treatment plants)

PNEC 9.06 mg/kg (freshwater sediment environment)

0.91 mg/kg (marine sediment environment)

0.63 mg/kg (soil)

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**100-41-4 ethylbenzene**

PNEC 0.1 mg/l (freshwater environment)  
 0.01 mg/l (marine environment)  
 0.1 mg/l (intermittent releases)  
 9.6 mg/l (sewage treatment plants)  
 PNEC 13.7 mg/kg (freshwater sediment environment)  
 1.37 mg/kg (marine sediment environment)  
 2.68 mg/kg (soil)

**Ingredients with biological limit values:****78-93-3 butanone**

BMGV (Great Britain) 70 µmol/L  
 Medium: urine  
 Sampling time: post shift  
 Parameter: butan-2-one

**1330-20-7 xylene**

BMGV (Great Britain) 650 mmol/mol creatinine  
 Medium: urine  
 Sampling time: post shift  
 Parameter: methyl hippuric acid

**Regulatory information** BMGV (Great Britain): EH40/2011

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

**8.2 Exposure controls****Appropriate engineering controls**

No further data; see item 7.

**Individual protection measures, such as 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.  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.  
 Do not eat or drink while working.  
 Use skin protection cream for skin protection.

**Respiratory protection:**

A2/P2 filter  
 Use suitable respiratory protective device in case of insufficient ventilation.

**Hand protection**

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.  
 When choosing protective gloves, the breakthrough time, rate of penetration and degradation (EN 374) should be taken into account.

**Material of gloves**

Recommended material thickness:  $\geq 0.7$  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.

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**Penetration time of glove material**

Permeation level and breakthrough time: 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/face protection**

Tightly sealed goggles

**Body protection:**

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>	Light grey
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	Undetermined.
<b>Flammability</b>	Highly flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	1 Vol %
<b>Upper:</b>	15 Vol %
<b>Flash point:</b>	12 °C
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	105 hPa
<b>Density and/or relative density</b>	
<b>Density:</b>	1.65-1.69 g/cm <sup>3</sup>
<b>Vapour density</b>	Not determined.

**9.2 Other information****Appearance:****Form:** Highly viscous**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:** Not determined.**Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**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>	Highly flammable liquid and vapour.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void

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<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
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	No decomposition if used according to specifications.
<b>10.2 Chemical stability</b>	No decomposition if used and stored according to specifications.
<b>10.3 Possibility of hazardous reactions</b>	Reacts with alkali, amines and strong acids. Reacts with oxidising agents. Fumes can combine with air to form an explosive mixture.
<b>10.4 Conditions to avoid</b>	Protect from heat and direct sunlight.
<b>10.5 Incompatible materials:</b>	No further relevant information available.
<b>10.6 Hazardous decomposition products:</b>	Carbon monoxide and carbon dioxide Formation of toxic gases is possible during heating or in case of fire.

### \* 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:**

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

Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	>14,000 mg/kg (rabbit)
Inhalative	LC50/4 h	23.4 mg/l (rat)

##### **13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

##### **78-93-3 butanone**

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

##### **1330-20-7 xylene**

Dermal	LD50	1,100 mg/kg (ATE)
Inhalative	ATE	1.5 mg/l (dust/ mist)

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**71-36-3 butan-1-ol**

Oral LD50 790 mg/kg (rat)  
 Dermal LD50 3,400 mg/kg (rabbit)  
 Inhalative LC50/4 h 8,000 mg/l (rat)

**123-42-2 4-hydroxy-4-methylpentan-2-one**

Oral LD50 4,000 mg/kg (rat)  
 Dermal LD50 13,630 mg/kg (rab)  
 13,750 mg/kg (rabbit)

**64-17-5 ethanol**

Oral LD50 7,060 mg/kg (rat)  
 Inhalative LC50/4 h 20,000 mg/l (rat)

**100-41-4 ethylbenzene**

Oral LD50 3,500 mg/kg (rat)  
 Dermal LD50 17,800 mg/kg (rabbit)  
 Inhalative LC50/4 h 11 mg/l (ATE)

**Primary irritant effect:**

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

**11.2 Information on other hazards****Endocrine disrupting properties**

78-93-3 butanone: List II

## \* SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:****123-86-4 n-butyl acetate**

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)

**13463-67-7 titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

LC50/96 h >1,000 mg/l (fish)  
 EC50/48 h >100 mg/l (*Daphnia magna*)

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EC50/72 h >50 mg/l (*Desmodesmus subspicatus*)

EC50/15 min &gt;100 mg/l (microorganisms)

**78-93-3 butanone**EC50/7 d >100 mg/l (*Desmodesmus subspicatus*)EC50/48 h >100 mg/l (*Leuciscus idus melanotus*)>100 mg/l (*Daphnia magna*)**1330-20-7 xylene**LC50/96 h 2.6 mg/l (*Oncorhynchus mykiss*) (OECD 203)

EC50/3 h &gt;157 mg/l (microorganisms)

EC50/48 h >3.4 mg/l (*Ceriodaphnia dubia*) (OECD 202)EC50/73h 2.2 mg/l (*Pseudokirchnerella subcapitata*) (OECD 201)**71-36-3 butan-1-ol**LC50/96 h 1,376 mg/l (*Pimephales promelas*)EC50/48 h 1,328 mg/l (*Daphnia magna*)EC50/72 h >500 mg/l (*Desmodesmus subspicatus*)EC3/16 h 4,390 mg/l (*Pseudomonas putida*)**123-42-2 4-hydroxy-4-methylpentan-2-one**

LC50/96 h &gt;100 mg/l (fish)

TGK/16 h 825 mg/l (*Pseudomonas putida*)EC50/48 h >1,000 mg/l (*Daphnia magna*)EC50/72 h >1,000 mg/l (*Pseudokirchnerella subcapitata*)**100-41-4 ethylbenzene**EC50/48 h 2.4 mg/l (*Daphnia magna*)

EC20/30 min 200 mg/l (microorganisms)

EC50/24 h 13.4 mg/l (algae)

7 mg/l (fish)

**12.2 Persistence and degradability****123-86-4 n-butyl acetate**

Biodegradation 83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)

**78-93-3 butanone**

Biodegradation 98 % (readily biodegradable) (OECD 301 D, 28 d)

**1330-20-7 xylene**

Biodegradation &gt;60 % (readily biodegradable)

**71-36-3 butan-1-ol**

Biodegradation 92 % (readily biodegradable)

**123-42-2 4-hydroxy-4-methylpentan-2-one**

Biodegradation 98.51 % (readily biodegradable) (OECD 301A, 28d)

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**100-41-4 ethylbenzene**

Biodegradation 100 % (readily biodegradable) (OECD 301 E, 6 d, aerobic)

**12.3 Bioaccumulative potential**

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**123-86-4 n-butyl acetate**

BCF 15.3 (-)

log Pow 2.3

**78-93-3 butanone**

log Pow 0.3

**1330-20-7 xylene**

BCF 25.9

log Kow &lt;3.2

**71-36-3 butan-1-ol**

BCF 3.16

**123-42-2 4-hydroxy-4-methylpentan-2-one**

log Pow ≤0.098

**100-41-4 ethylbenzene**

BCF 1

**12.4 Mobility in soil**

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**123-86-4 n-butyl acetate**

log Koc 1.27

**71-36-3 butan-1-ol**

log Koc 0.388

**123-42-2 4-hydroxy-4-methylpentan-2-one**

log Koc 0.52

**100-41-4 ethylbenzene**

log Koc 2.41

**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

**12.7 Other adverse effects****Additional ecological information:****General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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### 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 or ID 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 II

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Warning: Flammable liquids.

Hazard identification number (Kemler code): 33

EMS Number: F-E,S-E

Stowage Category A

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

#### Transport/Additional information:

#### ADR

Limited quantities (LQ) 5L

Transport category 2

Tunnel restriction code D/E

#### IMDG

Limited quantities (LQ) 5L

UN "Model Regulation": UN 1263 PAINT, 3, II

### SECTION 15: Regulatory information

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**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.

**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

**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.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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

78-93-3 butanone: 3

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

78-93-3 butanone: 3

**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**

The above information is based on currently available data characterising the product. They do not constitute a guarantee or quality specification. It should be regarded as a guideline for safe use, storage, transport, disposal in case of release into the environment. It is the responsibility of the user to create conditions for the safe use of the product and the user accepts responsibility for any consequences resulting from improper use of this product.

**Relevant phrases**

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H228 Flammable solid.

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H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H351 Suspected of causing cancer.  
 H361d Suspected of damaging the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

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

Flammable liquids Bridging principles

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

**Version number of previous version:**

5.0

**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  
 ELINCS: European List of Notified Chemical Substances  
 CAS: chemical number assigned to the chemical in the Chemical Abstracts Service list  
 DNEL: Derived No-Effect Level  
 PNEC: Predicted No-Effect Concentration  
 LC50: median lethal concentration  
 LD50: lethal dose 50%  
 PBT: persistent, bioaccumulative and toxic  
 vPvB: very persistent and very bioaccumulative  
 Flam. Liq. 2: Flammable liquid substance. Hazard category 2  
 Flam. Liq. 3: Flammable liquid substance. Hazard category 3  
 Flam. Sol. 1: Flammable solids – Category 1  
 Acute Tox. 4: Acute toxicity. Hazard category 4  
 Skin Irrit. 2: Skin corrosion/irritation. Hazard category 2  
 Eye Dam. 1: Serious eye damage/eye irritation. Hazard category 1  
 Eye Irrit. 2: Serious eye damage/eye irritation. Hazard category 2  
 Carc. 2: Carcinogenicity. Hazard category 2  
 Repr. 2: Reproductive toxicity. Hazard category 2  
 STOT SE 3: Toxic effects on target organs - single exposure. Hazard category 3  
 STOT RE 2: Toxic effects on target organs - repeated exposure. Hazard category 2  
 Asp. Tox. 1: Aspiration hazard. Hazard category 1  
 Aquatic Chronic 3: Presenting a hazard to the aquatic environment. Chronic hazard, Category 3

**Sources**European Chemicals Agency, <http://echa.europa.eu/>

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