

FloorBridge International GmbH  
4101 Feldkirchen an der Donau / AUSTRIA

Date printed 15.03.2023, Revision 27.10.2021

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

**1.1 Product identifier**

**Cleaner 12**

**UFI: CSH7-RJC0-V00S-PP2J**

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

**1.2.1 Relevant uses**

Primer

**1.2.2 Uses advised against**

None known.

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

<b>Company</b>	FloorBridge International GmbH Gewerbepark 21 4101 Feldkirchen an der Donau / AUSTRIA Phone +43 (0)7233 20030 Fax +43 (0)7233 20030 4 Homepage <a href="http://www.floorbridge.com">www.floorbridge.com</a> E-mail <a href="mailto:office@floorbridge.com">office@floorbridge.com</a>
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**Address enquiries to**

<b>Technical information</b>	<a href="mailto:office@floorbridge.com">office@floorbridge.com</a>
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<b>Safety Data Sheet</b>	<a href="mailto:sdb@chemiebuero.de">sdb@chemiebuero.de</a>
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**1.4 Emergency telephone number**

<b>Advisory body</b>	+43 (0)1 406 43 43 (24h)
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**Company**

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture [REGULATION (GB) CLP]**

Flam. Liq. 2: H225 Highly flammable liquid and vapour.  
Skin Irrit. 2: H315 Causes skin irritation.  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.  
STOT SE 3: H336 May cause drowsiness or dizziness.  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.  
Eye Irrit. 2: H319 Causes serious eye irritation.

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## 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

### Hazard pictograms



### Signal word

DANGER

### Contains:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane  
Alkanes, C7-10-iso-

### Hazard statements

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
H319 Causes serious eye irritation.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing vapours / spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / eye protection / face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.  
P331 Do NOT induce vomiting.  
P312 Call a POISON CENTER / doctor if you feel unwell.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/national regulation.

## 2.3 Other hazards

### Environmental hazards

Does not contain any PBT or vPvB substances.  
Contains no ingredients with endocrine-disrupting properties.

### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

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### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
<90	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
	EINECS/ELINCS: 921-024-6, Reg-No.: 01-2119475514-35-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Asp. Tox. 1: H304 - STOT SE 3: H336 - Aquatic Chronic 2: H411
<50	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
	CAS: 64742-49-0, EINECS/ELINCS: 927-510-4, Reg-No.: 01-2119475515-33-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - STOT SE 3: H336 - Aquatic Chronic 2: H411
<40	Hydrocarbons, C6, isoalkanes, <5% n-hexane
	CAS: 64742-49-0, EINECS/ELINCS: 931-254-9, EU-INDEX: 649-328-00-1, Reg-No.: 01-2119484651-34-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Skin Irrit. 2: H315 - Asp. Tox. 1: H304 - STOT SE 3: H336 - Aquatic Chronic 2: H411
10 - <25	Alkanes, C7-10-iso-
	CAS: 90622-56-3, EINECS/ELINCS: 292-458-5, Reg-No.: 01-2119471305-42-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Skin Irrit. 2: H315 - Aquatic Chronic 2: H411 - Asp. Tox. 1: H304 - STOT SE 3: H336
1 - <3	Titanium tetrabutanolate
	CAS: 5593-70-4, EINECS/ELINCS: 227-006-8, Reg-No.: 01-2119967423-33-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Eye Dam. 1: H318 - STOT SE 3: H336
0,1 - <1	Toluene
	CAS: 108-88-3, EINECS/ELINCS: 203-625-9, EU-INDEX: 601-021-00-3, Reg-No.: 01-2119471310-51-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Repr. 2: H361d - Asp. Tox. 1: H304 - STOT RE 2: H373 - Skin Irrit. 2: H315 - STOT SE 3: H336

#### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Take off contaminated clothing and wash before reuse.

#### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

#### Skin contact

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

#### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

#### Ingestion

Seek medical advice immediately.  
Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.

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

Headache  
Irritant effects

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

If swallowed or in the event of vomiting, risk of product entering the lungs.

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## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media      Foam.  
Carbon dioxide.  
Water spray jet.  
Dry powder.

Extinguishing media that must not  
be used      Full water jet.

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

In the event of fire the following can be released:  
Carbon monoxide (CO)  
Not combusted hydrocarbons.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance within  
the local regulations.  
Cool containers at risk with water spray jet.

## SECTION 6: Accidental release measures

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

Keep away from all sources of ignition.  
Ensure adequate ventilation.  
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.  
In case the product spills into drains/surface waters/groundwater, immediately inform the  
authorities.

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

Take up with absorbent material (e.g. sand).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use solvent-resistant equipment.  
Provide good room ventilation even at ground level (vapours are heavier than air).  
Keep away from all sources of ignition - Refrain from smoking.  
Take precautionary measures against static discharges.  
Ignitable mixtures can be formed in the empty container.  
Vapours can form an explosive mixture with air.  
Ground/bond container and receiving equipment.  
Use explosion-proofed equipment/fittings and non-sparking tools.  
Do not eat, drink, smoke or take drugs at work.  
Take off contaminated clothing and wash before reuse.  
Wash hands before breaks and after work.  
Use barrier skin cream.

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

Provide solvent-resistant and impermeable floor.  
Keep only in original container.  
Prevent penetration into the ground.  
Provide floor with bunding.  
  
Do not store together with oxidizing agents.  
  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Protect from heat/overheating.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

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## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

Substance
Alkanes, C7-10-iso-
CAS: 90622-56-3, EINECS/ELINCS: 292-458-5, Reg-No.: 01-2119471305-42-XXXX
Long-term exposure: 1200 mg/m <sup>3</sup>
Toluene
CAS: 108-88-3, EINECS/ELINCS: 203-625-9, EU-INDEX: 601-021-00-3, Reg-No.: 01-2119471310-51-XXXX
Long-term exposure: 50 ppm, 191 mg/m <sup>3</sup> , Sk
Short-term exposure (15-minute): 100 ppm, 384 mg/m <sup>3</sup>
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
EINECS/ELINCS: 921-024-6, Reg-No.: 01-2119475514-35-XXXX
Long-term exposure: 1200 mg/m <sup>3</sup>
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
CAS: 64742-49-0, EINECS/ELINCS: 927-510-4, Reg-No.: 01-2119475515-33-XXXX
Long-term exposure: 1200 mg/m <sup>3</sup>
Hydrocarbons, C6, isoalkanes, <5% n-hexane
CAS: 64742-49-0, EINECS/ELINCS: 931-254-9, EU-INDEX: 649-328-00-1, Reg-No.: 01-2119484651-34-XXXX
Long-term exposure: 1200 mg/m <sup>3</sup>
Ethanol
CAS: 64-17-5, EINECS/ELINCS: 200-578-6, EU-INDEX: 603-002-00-5, Reg-No.: 01-2119457610-43-XXXX
Long-term exposure: 1000 ppm, 1920 mg/m <sup>3</sup>
Butan-1-ol
CAS: 71-36-3, EINECS/ELINCS: 200-751-6, EU-INDEX: 603-004-00-6
Long-term exposure: 50 ppm, Sk
Short-term exposure (15-minute): 50 ppm, 154 mg/m <sup>3</sup>

#### Ingredients with occupational exposure limits to be monitored (EU)

Substance / EC LIMIT VALUES
Toluene
CAS: 108-88-3, EINECS/ELINCS: 203-625-9, EU-INDEX: 601-021-00-3, Reg-No.: 01-2119471310-51-XXXX
Eight hours: 50 ppm, 192 mg/m <sup>3</sup> , H
Short-term (15-minute): 100 ppm, 384 mg/m <sup>3</sup>

#### DNEL

Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
Industrial, inhalative, Long-term - systemic effects, 2035 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 773 mg/kg bw/d
general population, oral, Long-term - systemic effects, 699 mg/kg bw/d
general population, inhalative, Long-term - systemic effects, 608 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 699 mg/kg bw/d
Hydrocarbons, C6, isoalkanes, <5% n-hexane
Industrial, dermal, Long-term - systemic effects, 13964 mg/kg bw/day
Industrial, inhalative, Long-term - systemic effects, 5306 mg/m <sup>3</sup>

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general population, oral, Long-term - systemic effects, 1301 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 1377 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1131 mg/m <sup>3</sup>
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Industrial, inhalative, Long-term - systemic effects, 2085 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 300 mg/kg bw/d
general population, oral, Long-term - systemic effects, 149 mg/kg bw/d
general population, inhalative, Long-term - systemic effects, 477 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 149 mg/kg bw/d
Alkanes, C7-10-iso-, CAS: 90622-56-3
Industrial, dermal, Long-term - systemic effects, 773 mg/kg bw/day
Industrial, inhalative, Long-term - systemic effects, 2 035 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 699 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 608 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 699 mg/kg bw/day
Toluene, CAS: 108-88-3
Industrial, inhalative, Long-term - systemic effects, 192 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - local effects, 192 mg/m <sup>3</sup>
Industrial, inhalative, Acute - local effects, 384 mg/m <sup>3</sup>
Industrial, inhalative, Acute - systemic effects, 384 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 384 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 226 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 56,5 mg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 56,5 mg/m <sup>3</sup>
general population, inhalative, Acute - systemic effects, 226 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 8,13 mg/kg bw/day
general population, inhalative, Acute - local effects, 226 mg/m <sup>3</sup>
Titanium tetrabutanolate, CAS: 5593-70-4
Industrial, inhalative, Long-term - systemic effects, 127 mg/m <sup>3</sup>
general population, inhalative, Long-term - systemic effects, 152 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 37,5 mg/kg bw/day
general population, oral, Long-term - systemic effects, 3,75 mg/kg bw/day

PNEC

Substance
Toluene, CAS: 108-88-3
soil, 2,89 mg/kg soil dw
sediment (seawater), 16,39 mg/kg sediment dw
sediment (freshwater), 16,39 mg/kg sediment dw
sewage treatment plants (STP), 13,61 mg/l
seawater, 0,68 mg/l
freshwater, 0,68 mg/l
Titanium tetrabutanolate, CAS: 5593-70-4
soil, 16,8 µg/kg soil dw
sediment (seawater), 6,9 µg/kg sediment dw
sediment (freshwater), 68,7 µg/kg sediment dw
sewage treatment plants (STP), 65 mg/L
seawater, 8 µg/L
freshwater, 80 µg/L

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## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	0,7 mm Nitrile rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale gases/vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
<b>Thermal hazards</b>	no
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	liquid
<b>Color</b>	colourless
<b>Odor</b>	characteristic
<b>Odour threshold</b>	not applicable
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	>59
<b>Flash point [°C]</b>	-25
<b>Flammability (solid, gas) [°C]</b>	>200
<b>Lower explosion limit</b>	ca. 1,0 Vol.-%
<b>Upper explosion limit</b>	ca.
<b>Oxidising properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	ca. 4 (20°C)
<b>Density [g/cm<sup>3</sup>]</b>	ca. 0,70 (20 °C / 68,0 °F)
<b>Relative density</b>	not determined
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	virtually insoluble
<b>Solubility other solvents</b>	No information available.
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Kinematic viscosity</b>	<20,5 mm <sup>2</sup> /s (40 °C)
<b>Relative vapour density</b>	not determined
<b>Evaporation speed</b>	not determined
<b>Melting point [°C]</b>	not determined
<b>Auto-ignition temperature</b>	not determined
<b>Decomposition temperature [°C]</b>	not determined
<b>Particle characteristics</b>	No information available.



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## 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.  
Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.  
Violent reaction under influence of oxidising agents.

### 10.4 Conditions to avoid

See SECTION 7  
Strong heating.

### 10.5 Incompatible materials

not determined

### 10.6 Hazardous decomposition products

Flammable gases/vapours.

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## SECTION 11: Toxicological information

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

#### Acute oral toxicity

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

Product
ATE-mix, oral, > 2000 mg/kg
Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
LD50, oral, Rat, > 5800 mg/kg
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LD50, oral, Rat, 25 mL/kg bw
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
LD50, oral, Rat, > 3000 mg/kg bw
Alkanes, C7-10-iso-, CAS: 90622-56-3
LD50, oral, Rat, 7100 - 7800 mg/kg bw
Toluene, CAS: 108-88-3
LD50, oral, Rat, 5580 mg/kg bw
Titanium tetrabutanolate, CAS: 5593-70-4
LD50, oral, Rat, 2000 mg/kg bw
NOAEL, oral, Rat, 125 mg/kg bw/day

#### Acute dermal toxicity

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

Product
ATE-mix, dermal, > 2000 mg/kg
Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
LD50, dermal, Rabbit, > 3920 mg/kg
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LD50, dermal, Rabbit, 5 mL/kg bw
Alkanes, C7-10-iso-, CAS: 90622-56-3
LD50, dermal, Rabbit, 2200 - 2500 mg/kg bw
Toluene, CAS: 108-88-3
LD50, dermal, Rabbit, 5000 mg/kg bw

#### Acute inhalational toxicity

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

Product
ATE-mix, inhalation (vapour ), > 20 mg/l 4h
Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
LC50, inhalative, Rat, > 25,2 mg/l 4h
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LC50, inhalative, Rat, 73860 ppm (4 h)
Alkanes, C7-10-iso-, CAS: 90622-56-3
LC50, inhalative, Rat, 4240 - 4450 ppm (4h)
Toluene, CAS: 108-88-3

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LC50, inhalative, Rat, 25,7 - 30 mg/L (4h)

Titanium tetrabutanolat, CAS: 5593-70-4

NOAEL, inhalative, Rat, 2,35 mg/L

**Serious eye damage/irritation** Irritant

Substance

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

Eye, Rabbit, non-irritating

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Eye, Rabbit, In vivo study, non-irritating

**Skin corrosion/irritation** Irritant

Substance

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

dermal, Rabbit, OECD 404, irritant

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

dermal, Rabbit, OECD 404, irritant

**Respiratory or skin sensitisation** Does not contain a relevant substance that meets the classification criteria.

Substance

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

No information available.

**Specific target organ toxicity — single exposure** Vapours may cause drowsiness and dizziness.

**Specific target organ toxicity — repeated exposure** Based on available data, the classification criteria are not met.

Substance

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

NOAEC, inhalative, Rat, 8117 mg/m<sup>3</sup>, negativ

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

NOAEC, inhalative, Rat, 12470 mg/m<sup>3</sup>, Study, negativ

**Mutagenicity** Does not contain a relevant substance that meets the classification criteria.

Substance

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

No information available.

**Reproduction toxicity** This product contains one or more substances of categorie Repr. 2 (CLP).  
CAS: 108-88-3

Substance

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

NOAEC, inhalative, Rat, 31680 mg/m<sup>3</sup>, In vivo study, negativ

**Carcinogenicity** Does not contain a relevant substance that meets the classification criteria.

Substance

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

No information available.

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**Aspiration hazard** Based on available data, the classification criteria are met.  
v < 20,5 mm<sup>2</sup>/s (40 °C)  
May be fatal if swallowed and enters airways.

**General remarks**

Toxicological data of complete product are not available.

**11.2 Information on other hazards**

**Endocrine disrupting properties** No information available.

**Other information** none

**SECTION 12: Ecological information**

**12.1 Toxicity**

Substance
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
EL50, (72h), Pseudokirchneriella subcapitata, 30 - 100 mg/l
EL50, (48h), Daphnia magna, 3 mg/l
NOEC, (21d), Daphnia magna, 0,17 mg/l
LL50, (96h), Oncorhynchus mykiss, 11,4 mg/l
LOEC, (21d), Daphnia magna, 0,32 mg/l
Hydrocarbons, C6, isoalkanes, <5% n-hexane
EL50, (72h), Algae, 13,56 mg/L
EL50, (48h), Crustacea, 7,138 mg/L
NOELR, (96h), fish, 4,089 mg/L
LL50, (96h), fish, 18,27 mg/L
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
EC50, (72h), Pseudokirchneriella subcapitata, 10 - 30 mg/l
EC50, (48h), Daphnia magna, 3 mg/l
NOEC, (21d), Daphnia magna, 0,17 mg/l
NOELR, (72h), Pseudokirchneriella subcapitata, 10 mg/l
LL50, (96h), Oncorhynchus mykiss, > 13,4 mg/l
Alkanes, C7-10-iso-, CAS: 90622-56-3
LC50, (96h), fish, 110 µg/L
EC50, (48h), Crustacea, 400 µg/L
EL50, (72h), Algae, 10 - 30 mg/L
NOELR, (28d), fish, 778 µg/L
Toluene, CAS: 108-88-3
LC50, (96h), fish, 5,5 mg/L
LC50, (48h), Crustacea, 3,78 mg/L
EC10, (168h), Crustacea, 740 µg/L
Titanium tetrabutanolate, CAS: 5593-70-4
LC50, (96h), fish, 1,74 - 2,3 g/L
EC50, (72h), Algae, 225 mg/L
EC50, (48h), Crustacea, 1,3 g/L
EC10, (96h), Algae, 134 mg/L

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## 12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

## 12.3 Bioaccumulative potential

not determined

## 12.4 Mobility in soil

not determined

## 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

## 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

## 12.7 Other adverse effects

Ecological data of complete product are not available.  
Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Dispose of as hazardous waste.  
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 200113\*

#### Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.  
Uncontaminated packaging may be taken for recycling.

Waste no. (recommended) 150110\* packaging containing residues of or contaminated by hazardous substances  
150102

## SECTION 14: Transport information

### 14.1 UN number or ID number

Transport by land according to ADR/RID 1993

Inland navigation (ADN) 1993

Marine transport in accordance with IMDG 1993

Air transport in accordance with IATA 1993

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#### 14.2 UN proper shipping name

**Transport by land according to ADR/RID** Flammable liquid, n.o.s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- Classification Code F1

- Label



- ADR LQ 1 I

- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 2 (D/E)

**Inland navigation (ADN)** Flammable liquid, n.o.s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- Classification Code F1

- Label



**Marine transport in accordance with IMDG** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- EMS F-E, S-E

- Label



- IMDG LQ 1 I

**Air transport in accordance with IATA** Flammable liquid, n.o.s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)

- Label



#### 14.3 Transport hazard class(es)

**Transport by land according to ADR/RID** 3 (N)

**Inland navigation (ADN)** 3 (N)

**Marine transport in accordance with IMDG** 3

**Air transport in accordance with IATA** 3

#### 14.4 Packing group

**Transport by land according to ADR/RID** II

**Inland navigation (ADN)** II

**Marine transport in accordance with IMDG** II

**Air transport in accordance with IATA** II

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#### 14.5 Environmental hazards

Transport by land according to ADR/RID yes

Inland navigation (ADN) yes

Marine transport in accordance with IMDG MARINE POLLUTANT

Air transport in accordance with IATA yes

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not determined

### SECTION 15: Regulatory information

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

EEC-REGULATIONS 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2021)

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- Observe employment restrictions for people Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- VOC (2010/75/CE) > 90 %

#### 15.2 Chemical safety assessment

not applicable

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 3)

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

H361d Suspected of damaging the unborn child.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H411 Toxic to aquatic life with long lasting effects.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H225 Highly flammable liquid and vapour.

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## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

Flam. Liq. 2: H225 Highly flammable liquid and vapour. (On basis of test data)  
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (On basis of test data)  
STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)  
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)  
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

### Modified position

SECTION 2 been added: P101 If medical advice is needed, have product container or label at hand.  
SECTION 2 been added: P102 Keep out of reach of children.  
SECTION 2 been added: P312 Call a POISON CENTER / doctor if you feel unwell.  
SECTION 2 been added: P405 Store locked up.  
SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.  
SECTION 6 been added: Use personal protective equipment (protective gloves, safety glasses, protective clothing).  
SECTION 11 been added: Based on available data, the classification criteria are not met.  
SECTION 11 been added: Based on available data, the classification criteria are not met.  
SECTION 11 been added: Based on available data, the classification criteria are not met.  
SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.



**Safety Data Sheet (UK REACH) (GB)**  
**Cleaner 12**

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