

# SAFETY DATA SHEET

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

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## Safe Clean 1I

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

#### \* 1.1. Product identifier

Trade name/designation:

Safe Clean 1I

Article No.:

T204011

UFI:

QEKA-NQX1-9384-AE17

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

Relevant identified uses:

##### Product Categories [PC]

PC 9a: Coatings and paints, thinners, paint removers

PC 35: Washing and cleaning products

##### Process categories [PROC]

PROC 7: Industrial spraying

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC 10: Roller application or brushing

PROC 11: Non industrial spraying

PROC 13: Treatment of articles by dipping and pouring

PROC 19: Manual activities involving hand contact

PROC 28: Manual maintenance (cleaning and repair) of machinery

##### Environmental release categories [ERC]

ERC 2: Formulation into mixture (mixtures)

ERC 4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

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

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3

4653 Eberstälzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

#### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids ( <i>Flam. Liq. 3</i> )	H226: Flammable liquid and vapour.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

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### \* 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms:



**GHS08**  
Health hazard



**GHS07**  
Exclamation mark



**GHS02**  
Flame

**Signal word:** Danger

##### Hazard components for labelling:

Hydrocarbons, C9 - 10, n-alkanes, i-alkanes, cyclic compounds, < 2% aromatics

Hazard statements for physical hazards	
H226	Flammable liquid and vapour.
Hazard statements for health hazards	
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
Hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.
Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains isoeugenol. May produce an allergic reaction.
Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
Precautionary statements Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .
P312	Call a POISON CENTER/doctor/ if you feel unwell.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use Dry chemicals, Carbon dioxide (CO2), Spray water, alcohol resistant foam to extinguish.

### \* 2.3. Other hazards

#### Other adverse effects:

This product does not contain any known or suspected endocrine disruptors.

## SECTION 3: Composition/information on ingredients

### \* 3.2. Mixtures

#### Additional information:

This product does not contain substances of very high concern (SVHC) on the candidate list in a concentration  $\geq 0.1\%$  (Regulation (EC) No 1907/2006 (REACH), Article 59).

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### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 927-241-2 REACH No.: 01-2119471843-32	<b>Hydrocarbons, C9 - 10, n-alkanes, i-alkanes, cyclic compounds, &lt; 2% aromatics</b> Aquatic Chronic 3 (H412), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT SE 3 (H336) Danger <b>Acute Toxicity Estimate</b> ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, vapour) > 4,951 mg/L	75 - < 100 weight-%
CAS No.: 97-54-1 EC No.: 202-590-7 REACH No.: 01-2120223682-61	<b>isoeugenol</b> Acute Tox. 4 (H302, H312, H332), Eye Irrit. 2 (H319), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1A (H317) Warning <b>Specific concentration limit (SCL)</b> Skin Sens. 1A; H317: C ≥ 0.01% <b>Acute Toxicity Estimate</b> ATE (oral) 1,560 mg/kg ATE (dermal) 1,912 mg/kg ATE (inhalation, vapour) 11 mg/L ATE (inhalation, dust/mist) 1.5 mg/L	0.001 - < 0.005 weight-%

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### \* 4.1. Description of first aid measures

#### General information:

If you feel unwell, seek medical advice and show the safety data sheet to a doctor.

#### Following inhalation:

Remove to fresh air. Aspiration into the lungs can lead to severe lung damage. If breathing stops, give artificial respiration. Get medical attention. Avoid direct contact with skin. In case of mouth-to-mouth resuscitation, use contact protection. If breathing is difficult (should be administered by trained personnel), administer oxygen. Get medical advice/attention immediately. Pulmonary oedema may be delayed.

#### In case of skin contact:

Wash with plenty of water and soap. Take off contaminated clothing.

#### After eye contact:

Rinse opened eye immediately with plenty of water for at least 15 minutes. Remove contact lenses. If symptoms persist, consult a doctor. Work area Do not subject to friction.

#### Following ingestion:

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person or a person with cramps. IF SWALLOWED: Get emergency medical help immediately. Aspiration hazard! CAN ENTER THE LUNGS AND CAUSE DAMAGE. In case of spontaneous vomiting, keep the head below the hips to prevent aspiration. Get immediate medical advice/attention.

#### Self-protection of the first aider:

Remove all sources of ignition. Ensure that medical personnel are aware of the substance(s) involved, take measures to protect themselves and prevent the spread of contamination. Use personal protective equipment as required. For further information on personal protective equipment: see section 8. Avoid direct contact with the skin and use contact protection for mouth-to-mouth resuscitation.

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

Breathing difficulties. Coughing and/or wheezing. Drowsiness. Inhalation of high concentrations of vapour may cause headache, dizziness, drowsiness, nausea and vomiting.

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

Due to the risk of aspiration, vomiting and gastric lavage should not be performed unless the risk is justified by the risk of further toxic substances.

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### SECTION 5: Firefighting measures

#### \* 5.1. Extinguishing media

##### **Suitable extinguishing media:**

Dry extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Spray water, alcohol resistant foam;

CAUTION: The use of water spray for firefighting may be ineffective.

##### **Unsuitable extinguishing media:**

Do not disperse leaked material with a high-pressure water jet.

#### \* 5.2. Special hazards arising from the substance or mixture

Risk of ignition; Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. In case of fire, cool containers with water spray. Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

#### \* 5.3. Advice for firefighters

Firefighters must wear full protective clothing, including self-contained breathing apparatus. Use personal protection equipment.

### SECTION 6: Accidental release measures

#### \* 6.1. Personal precautions, protective equipment and emergency procedures

##### **6.1.1. For non-emergency personnel**

###### **Personal precautions:**

Remove person from danger zone. Use personal protective equipment as required. For further information on personal protective equipment: see section 8. Avoid contact with skin, eyes and clothes. Ensure adequate ventilation of the storage area. Keep people away from the spill/leak and send them to the side facing the wind. Remove all sources of ignition. No open fire, no sparks and no smoking. Observe flashback. Take precautionary measures against static discharge. All tools must be earthed. Do not touch spilled material and do not walk through it.

Follow protective measures in sections 7 and 8.

##### **6.1.2. For emergency responders**

###### **Personal protection equipment:**

Wear personal protection equipment (refer to section 8).

#### \* 6.2. Environmental precautions

Follow protective measures in sections 7 and 8.

Block the leakage if there is no hazard. Do not allow to enter into surface water or drains.

#### \* 6.3. Methods and material for containment and cleaning up

##### **For containment:**

Block the leakage if there is no hazard. Do not touch spilled material and do not walk through it. Use foam on spills to minimise vapours. Collect spillage. Do not allow to enter drains/surface water/ground water. Allow to be absorbed by absorbent material. Dispose of in suitable, labeled containers.

##### **For cleaning up:**

Take precautionary measures against static discharge. Allow to be absorbed by absorbent material. Collect in closed and suitable containers for disposal.

##### **Other information:**

Precautions to prevent secondary hazards: Clean contaminated articles and floor according to the environmental legislation.

##### **6.4. Reference to other sections**

See section 7 for further information on safe handling.

For further information on personal protective equipment: see section 8.

For further information on disposal: see section 13.

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### SECTION 7: Handling and storage

#### \* 7.1. Precautions for safe handling

##### Protective measures

###### Advices on safe handling:

Use personal protection equipment. Avoid contact with eyes and skin. Avoid inhalation of mist/vapour/aerosol. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Containers in which this material is transported must be earthed and sealed to prevent static discharge, fire or explosion. Devices with local exhaust. Use spark-proof tools and explosion-proof equipment. Store in areas where a sprinkler system is installed. Read carefully and follow all instructions. Observance of good industrial hygiene is recommended. In case of inadequate ventilation wear respiratory protection.

###### Advices on general occupational hygiene

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and after work.

#### \* 7.2. Conditions for safe storage, including any incompatibilities

##### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a closed container. Do not store together with: Combustible materials. Use spark-proof tools and explosion-proof equipment. Store in areas where a sprinkler system is installed. Store in accordance with: National regulations. Keep locked up. Keep out of reach of children. Store away from other materials.

**Storage class (TRGS 510, Germany):** 3 - Flammable liquids

#### 7.3. Specific end use(s)

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### \* 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

Eye wash station and safety shower should be located near the processing area. Ensure good ventilation/extraction at the workplace.

##### 8.2.2. Personal protection equipment



###### Eye/face protection:

Tight-fitting safety goggles

###### Skin protection:

Hand protection:

Wear protective gloves. Impermeable protective gloves

Suitable material: NBR (Nitrile rubber)

Recommended material thickness: 0,7 mm

Breakthrough time:  $\geq 60$  min.

Skin and body protection:

Wear suitable protective clothing when working. Long-sleeved work clothing (DIN EN ISO 6530), Wear full chemical protective clothing. antistatic Boots.

###### Respiratory protection:

No protective equipment is required under normal conditions of use. Ventilation and evacuation may be necessary if exposure limits are exceeded or if irritation occurs.

Filter type: Filtering device (full mask or mouthpiece) with filter: ABEK 2P3

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### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

### \* 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** colourless

**Odour:** characteristic

**flammability:** No data available

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	No data available		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	139 - 165 °C		
Flash point	27 °C		
Evaporation rate	No data available		
Auto-ignition temperature	250 °C		
Upper/lower flammability or explosive limits	0.6 - 8 Vol-%		
Vapour pressure	0.499 kPa	20 °C	
Vapour density	No data available		
Density	0.745 - 0.765 g/cm <sup>3</sup>	20 °C	
Bulk density	not applicable		
Water solubility	No data available		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### \* 10.2. Chemical stability

Chemically stable under conditions of storage, handling and use.

Take precautionary measures against static discharge.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### \* 10.4. Conditions to avoid

Heat, No open fire, no sparks and no smoking.

### \* 10.5. Incompatible materials

None known

### \* 10.6. Hazardous decomposition products

None known

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### SECTION 11: Toxicological information

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

<b>Hydrocarbons, C9 - 10, n-alkanes, i-alkanes, cyclic compounds, &lt; 2% aromatics</b>	EC No.: 927-241-2
<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat)	
<b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Rabbit)	
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >4,951 mg/L 4 h (Rat)	
<b>isoeugenol</b> CAS No.: 97-54-1 EC No.: 202-590-7	
<b>LD<sub>50</sub> oral:</b> 1,560 mg/kg (Ratte)	
<b>LD<sub>50</sub> dermal:</b> 1,912 mg/kg (Kaninchen)	

#### STOT-single exposure:

May cause drowsiness or dizziness.

#### 11.2. Information on other hazards

No data available

### SECTION 12: Ecological information

#### \* 12.1. Toxicity

<b>Hydrocarbons, C9 - 10, n-alkanes, i-alkanes, cyclic compounds, &lt; 2% aromatics</b>	EC No.: 927-241-2
<b>LC<sub>50</sub>:</b> >1,000 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))	
<b>EC<sub>50</sub>:</b> >1,000 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))	
<b>ErC<sub>50</sub>:</b> >1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)	
<b>isoeugenol</b> CAS No.: 97-54-1 EC No.: 202-590-7	
<b>LC<sub>50</sub>:</b> 9.3 mg/L 4 d (fish)	
<b>EC<sub>50</sub>:</b> 4.7 mg/L 2 d (crustaceans)	

#### \* 12.2. Persistence and degradability

<b>Hydrocarbons, C9 - 10, n-alkanes, i-alkanes, cyclic compounds, &lt; 2% aromatics</b>	EC No.: 927-241-2
<b>Biodegradation:</b> Yes, rapidly	
<b>isoeugenol</b> CAS No.: 97-54-1 EC No.: 202-590-7	
<b>Biodegradation:</b> Yes, rapidly	

#### \* 12.3. Bioaccumulative potential

<b>Hydrocarbons, C9 - 10, n-alkanes, i-alkanes, cyclic compounds, &lt; 2% aromatics</b>	EC No.: 927-241-2
<b>Log K<sub>OW</sub>:</b> 3.6	
<b>isoeugenol</b> CAS No.: 97-54-1 EC No.: 202-590-7	
<b>Log K<sub>OW</sub>:</b> 2.1	

#### 12.4. Mobility in soil

No information available.

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

<b>Hydrocarbons, C9 - 10, n-alkanes, i-alkanes, cyclic compounds, &lt; 2% aromatics</b>	EC No.: 927-241-2
<b>Results of PBT and vPvB assessment:</b> —	
<b>isoeugenol</b> CAS No.: 97-54-1 EC No.: 202-590-7	
<b>Results of PBT and vPvB assessment:</b> —	

#### 12.6. Endocrine disrupting properties

No information available.

#### 12.7. Other adverse effects

No data available

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### SECTION 13: Disposal considerations

#### \* 13.1. Waste treatment methods

Avoid release to the environment. Dispose at an authorized site. Observe in addition any national regulations!

Empty containers pose a potential fire and explosion hazard. Do not cut, pierce or weld containers.

##### 13.1.1. Product/Packaging disposal




#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

14 06 03 *	other solvents and solvent mixtures
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\*: Evidence for disposal must be provided.

### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 1263	UN 1263	UN 1263	UN 1263
<b>14.2. UN proper shipping name</b>			
PAINT RELATED MATERIAL, 3, II	PAINT RELATED MATERIAL 3, II	PAINT RELATED MATERIAL, 3, II, (27°C C.C.)	PAINT RELATED MATERIAL, 3, II
<b>14.3. Transport hazard class(es)</b>			
 3	No data available	 3	 3
<b>14.4. Packing group</b>			
II		II	II
<b>14.5. Environmental hazards</b>			
No data available	No data available	No data available	No data available
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> ADR: 163, 640C, 650, 367 RID: 163, 367, 640C, 650 <b>Limited quantity (LQ):</b> 5L <b>Excepted Quantities (EQ):</b> E2 <b>Hazard identification number (Kemler No.):</b> 33 <b>Classification code:</b> F1 <b>Tunnel restriction code:</b> (D/E)	No data available	<b>Special Provisions:</b> 163, 367 <b>Limited quantity (LQ):</b> 5L <b>Excepted Quantities (EQ):</b> E2 <b>EmS-No.:</b> F-E, S-E	<b>Special Provisions:</b> A3, A72, A192 ERG-Code 3L <b>Excepted Quantities (EQ):</b> E2

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

No data available

### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

#### Restrictions on use:

Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878, Annex XVII (restrictions)



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Regulation (EC) No 1272/2008, Annex VIII

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

This product contains one or more substances subject to restriction (Regulation (EC) No 1907/2006 (REACH), Annex XVII).

### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 99.9 weight-%

### 15.1.2. National regulations

#### [AT] National regulations

#### Other regulations, restrictions and prohibition regulations

Verordnung über entzündbare Flüssigkeiten, VbF: Entzündbare Flüssigkeiten Kat. 3

### \* 15.2. Chemical Safety Assessment

No data available

## SECTION 16: Other information

### \* 16.1. Indication of changes

1.1.	Product identifier
2.2.	Label elements
2.3.	Other hazards
3.2.	Mixtures
4.1.	Description of first aid measures
5.1.	Extinguishing media
5.2.	Special hazards arising from the substance or mixture
5.3.	Advice for firefighters
5.4.	Additional information
6.1.	Personal precautions, protective equipment and emergency procedures
6.2.	Environmental precautions
6.3.	Methods and material for containment and cleaning up
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
10.2.	Chemical stability
10.4.	Conditions to avoid
10.5.	Incompatible materials
10.6.	Hazardous decomposition products
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
13.1.	Waste treatment methods
14.1.	UN number or ID number
14.2.	UN proper shipping name
14.4.	Packing group
14.6.	Special precautions for user
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2.	Chemical Safety Assessment
16.1.	Indication of changes

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### 16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
EC <sub>50</sub>	Effective Concentration 50%
ERC	Environmental Release Category
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
NFPA	National Fire Protection Association
PBT	persistent and bioaccumulative and toxic
PC	Product category
PROC	Process Category
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
SVHC	substances of very high concern
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids ( <i>Flam. Liq. 3</i> )	H226: Flammable liquid and vapour.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

### 16.6. Training advice

No data available

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### 16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

\* Data changed compared with the previous version.