

Rudolf Hensel GmbH  
21039 Börnsen

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

### 1.1 Product identifier

**HENSOTHERM® 310 KS rapid**

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

#### 1.2.1 Relevant uses

Fire retardant coating

#### 1.2.2 Uses advised against

None known.

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

**Company**  
Rudolf Hensel GmbH  
Lauenburger Landstr. 11  
21039 Börnsen / GERMANY  
Phone +49 (0)40-72 10 62 10  
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#### Address enquiries to

**Technical information** [info@rudolf-hensel.de](mailto:info@rudolf-hensel.de)

**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

### 1.4 Emergency telephone number

**Company** +49 (0)40-72 10 62 10 (7:00 - 17:00) 0172 4115390 (17:00 - 07:00)

## 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.  
Skin Sens. 1: H317 May cause an allergic skin reaction.  
STOT SE 3: H336 May cause drowsiness or dizziness.  
Repr. 2: H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.  
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

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## 2.2 Label elements

### Hazard pictograms



### Signal word

DANGER

### Contains:

Toluene

Maleic anhydride

Melamine

Fatty acids, C14-18 and C16-18-unsatd., maleated

### Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H336 May cause drowsiness or dizziness.

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

H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P201 Obtain special instructions before use.

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

P261 Avoid breathing vapours / spray.

P233 Keep container tightly closed.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P308+P313 IF exposed or concerned: Get medical advice / attention.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/national regulation.

### 2004/42/CE

< 500 g/l II A i SB One-pack performance coatings (max. 500 g/l)

## 2.3 Other hazards

### Human health dangers

Contains no ingredients with endocrine-disrupting properties.

### Environmental hazards

Does not contain any PBT or vPvB substances.

### 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
20 - 30	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 - Aquatic Chronic 3: H412
3 - < 10	Melamine
	CAS: 108-78-1, EINECS/ELINCS: 203-615-4, Reg-No.: 01-2119485947-16-XXXX GHS/CLP: Repr. 2: H361f
<1	Fatty acids, C14-18 and C16-18-unsatd., maleated
	CAS: 85711-46-2, EINECS/ELINCS: 288-306-2, Reg-No.: 01-2119976378-19-XXXX GHS/CLP: Skin Irrit. 2: H315 - Skin Sens. 1B: H317 - Eye Irrit. 2: H319
<0,001 - < 0,002	Maleic anhydride
	CAS: 108-31-6, EINECS/ELINCS: 203-571-6, EU-INDEX: 607-096-00-9, Reg-No.: 01-2119472428-31-XXXX GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Skin Sens. 1A: H317 - Resp. Sens. 1: H334 - STOT RE 1: H372 - EUH071 SCL [%]: >=0,001: Skin Sens. 1A: H317

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	Remove person to fresh air and keep comfortable for breathing. In the event of symptoms seek medical treatment.
Skin contact	When in contact with the skin, clean 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	Consult a doctor 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

Nausea, vomiting.  
Dizziness  
Drowsiness  
Headache  
Irritant effects  
Allergic reactions

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

Treat symptomatically.  
If swallowed or in the event of vomiting, risk of product entering the lungs.  
Forward this sheet to your doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	Water spray jet. Carbon dioxide. Alcohol-resistant foam. Dry powder.
Extinguishing media that must not be used	Full water jet

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## 5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

## 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## 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).

Use breathing apparatus if exposed to vapours.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 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 only in well-ventilated areas.

Provide suitable vacuuming at the processing area.

Keep away from all sources of ignition - Refrain from smoking.

Take precautionary measures against static discharges.

Vapours can form an explosive mixture with air.

Ground/bond container and receiving equipment.

Use explosion-proofed equipment/fittings and non-sparking tools.

Ignitable mixtures can be formed in the empty container.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

Use barrier skin cream.

### 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.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Keep in a cool place. Store in a dry place.

### 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
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>
Maleic anhydride
CAS: 108-31-6, EINECS/ELINCS: 203-571-6, EU-INDEX: 607-096-00-9, Reg-No.: 01-2119472428-31-XXXX
Long-term exposure: 1 mg/m <sup>3</sup> , Sen
Short-term exposure (15-minute): 3 mg/m <sup>3</sup>
Titanium dioxide
CAS: 13463-67-7, EINECS/ELINCS: 236-675-5, Reg-No.: 01-2119489379-17-XXXX
Long-term exposure: 4 mg/m <sup>3</sup> , respirable; total inhalable: TWA=10 mg/m <sup>3</sup>
Pentaerythritol
CAS: 115-77-5, EINECS/ELINCS: 204-104-9, Reg-No.: 01-2119473985-20-XXXX
Long-term exposure: 10 mg/m <sup>3</sup> , inhalable dust, respirable dust: TWA=4 mg/m <sup>3</sup>
Short-term exposure (15-minute): 20 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
Melamine, CAS: 108-78-1
Industrial, dermal, Long-term - systemic effects, 11,8 mg/kg
Industrial, inhalative, Long-term - systemic effects, 8,3 mg/m <sup>3</sup>
Industrial, inhalative, Acute - systemic effects, 82,3 mg/m <sup>3</sup>
Industrial, dermal, Acute - systemic effects, 117 mg/kg
general population, oral, Long-term - systemic effects, 0,42 mg/kg
general population, dermal, Long-term - systemic effects, 4,2 mg/kg
general population, inhalative, Long-term - systemic effects, 1,5 mg/m <sup>3</sup>
Toluene, CAS: 108-88-3
Industrial, dermal, Long-term - systemic effects, 384 mg/kg bw/day
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 - systemic effects, 384 mg/m <sup>3</sup>
Industrial, inhalative, Acute - local effects, 384 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 226 mg/kg bw/day
general population, inhalative, Acute - systemic effects, 226 mg/m <sup>3</sup>
general population, inhalative, Long-term - local effects, 56,5 mg/m <sup>3</sup>

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general population, inhalative, Acute - local effects, 226 mg/m <sup>3</sup>
general population, inhalative, Long-term - systemic effects, 56,5 mg/m <sup>3</sup>
Maleic anhydride, CAS: 108-31-6
Industrial, inhalative, Long-term - systemic effects, 81 µg/m <sup>3</sup>
Industrial, inhalative, Acute - local effects, 200 µg/m <sup>3</sup>
Industrial, inhalative, Long-term - local effects, 81 µg/m <sup>3</sup>
Industrial, inhalative, Acute - systemic effects, 200 µg/m <sup>3</sup>
Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2
Industrial, dermal, Long-term - systemic effects, 3,33 mg/kg bw/day
general population, oral, Long-term - systemic effects, 1,67 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 1,67 mg/kg bw/day

**PNEC**

Substance
Melamine, CAS: 108-78-1
sewage treatment plants (STP), 200 mg/L
oral (food), 22 mg/kg
soil, 1,6 mg/kg
sediment (seawater), 0,55 mg/kg
sediment (freshwater), 5,5 mg/kg
seawater, 0,051 mg/L
freshwater, 0,51 mg/L
Toluene, CAS: 108-88-3
seawater, 0,68 mg/L
sewage treatment plants (STP), 13,61 mg/L
sediment (freshwater), 16,39 mg/kg
freshwater, 0,68 mg/L
sediment (seawater), 16,39 mg/kg
soil, 2,89 mg/kg
Maleic anhydride, CAS: 108-31-6
sediment (seawater), 0,03 mg/kg sediment dw
freshwater, 0,038 mg/L
seawater, 0,004 mg/L
sediment (freshwater), 0,296 mg/kg sediment dw
soil, 0,037 mg/kg soil dw
sewage treatment plants (STP), 44,6 mg/L
Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2
sewage treatment plants (STP), 100 mg/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>	Tightly fitting goggles. (EN 166:2001)
<b>Hand protection</b>	For short-term contact: 0,4mm Butyl rubber, >480 min (EN 374-1/-2/-3). 0,4mm Nitrile rubber, >480 min (EN 374-1/-2/-3). In full contact: 0,4mm Viton, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Solvent-resistant protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not breathe vapour/spray. 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. It is essential for pregnant women to avoid inhaling the product and not to let it come in contact with the skin. Avoid contact during pregnancy/ while nursing.
<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, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	none
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	white
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	> 100
Flash point [°C]	4
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	1,2 Vol. %
Upper explosion limit	7,1 Vol. %
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	ca. 3,5 (20°C)
Density [g/cm³]	1,25 - 1,35 (20 °C / 68,0 °F)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	not applicable
Partition coefficient [n-octanol/water]	not determined
Kinematic viscosity	> 32s - <= 44s (6 mm)
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature	not applicable
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

### 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

Reactions with strong oxidizing agents.  
Formation of explosive gas/air mixtures.

### 10.4 Conditions to avoid

Strong heating.  
See SECTION 7.2.



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#### 10.5 Incompatible materials

Oxidizing agent

#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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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

Product
ATE-mix, oral, > 2000 mg/kg
Substance
Melamine, CAS: 108-78-1
LD50, oral, Rat (male), 3161 mg/kg
LD50, oral, Rat (female), 3828 mg/kg
Toluene, CAS: 108-88-3
LD50, oral, Rat, 5580 mg/kg =ECD 401
Maleic anhydride, CAS: 108-31-6
LD50, oral, Rat, 1090 mg/kg bw
Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2
LD50, oral, > 2000 mg/kg

#### Acute dermal toxicity

Product
ATE-mix, dermal, > 2000 mg/kg
Substance
Melamine, CAS: 108-78-1
LD50, dermal, Rat, > 2000 mg/kg
Toluene, CAS: 108-88-3
LD50, dermal, Rabbit, > 12000 mg/kg (IUCLID)
Maleic anhydride, CAS: 108-31-6
LD50, dermal, Rabbit, 2620 mg/kg bw
Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2
LD50, dermal, > 2000 mg/kg

#### Acute inhalational toxicity

Product
ATE-mix, inhalation (vapour ), > 20 mg/L 4h
Substance
Melamine, CAS: 108-78-1
LC50, inhalative, Rat, 5,19 mg/l, OECD 403, 4h
Toluene, CAS: 108-88-3
LC50, inhalative, Rat, 28,1 mg/l, 4h (Lit.)

#### Serious eye damage/irritation

Does not contain a relevant substance that meets the classification criteria.  
Based on the available information, the classification criteria are not fulfilled.  
Toxicological data of complete product are not available.

Substance
Toluene, CAS: 108-88-3
Eye, The effects observed are not sufficient for classification.
Maleic anhydride, CAS: 108-31-6

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Eye, Causes serious eye damage.

Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2

Eye, irritant

#### Skin corrosion/irritation

Irritant  
Based on the available information, the classification criteria are fulfilled.  
Toxicological data of complete product are not available.  
Calculation method

Substance

Melamine, CAS: 108-78-1

Rabbit, OECD 404, non-irritating

Toluene, CAS: 108-88-3

dermal, irritant

Maleic anhydride, CAS: 108-31-6

dermal, corrosive

Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2

dermal, irritant

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.  
Classification was carried out based on substance-specific concentration limits.  
Based on the available information, the classification criteria are fulfilled.  
Toxicological data of complete product are not available.  
Calculation method

Substance

Melamine, CAS: 108-78-1

Guinea pig, OECD 406, non-sensitizing

Toluene, CAS: 108-88-3

inhalative, non-sensitizing

dermal, non-sensitizing

Maleic anhydride, CAS: 108-31-6

inhalative, sensitising

dermal, sensitising

Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2

dermal, sensitising

#### Specific target organ toxicity — single exposure

Vapours may cause drowsiness and dizziness.  
Based on the available information, the classification criteria are fulfilled.  
Toxicological data of complete product are not available.  
Calculation method

Substance

Toluene, CAS: 108-88-3

inhalative, non-irritating

Maleic anhydride, CAS: 108-31-6

inhalative, non-irritating

#### Specific target organ toxicity — repeated exposure

May cause damage to organs through prolonged or repeated exposure.  
Toxicological data of complete product are not available.  
Based on the available information, the classification criteria are fulfilled.  
Calculation method

Substance

Toluene, CAS: 108-88-3

NOAEL, oral, Rat, 625 mg/kg bw/day (subchronic), adverse effect observed

LOAEC, inhalative, Rat, 2261 mg/m<sup>3</sup> (chronic), adverse effect observed

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Maleic anhydride, CAS: 108-31-6
NOAEL, oral, Dog, 60 mg/kg bw/day (subchronic), no adverse effect observed
NOAEC, inhalative, Rat, 3,3 mg/m³ (subchronic), adverse effect observed
Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2
NOAEL, oral, Rat, no adverse effect observed

#### Mutagenicity

Does not contain a relevant substance that meets the classification criteria.  
Based on the available information, the classification criteria are not fulfilled.  
Toxicological data of complete product are not available.

Substance
Maleic anhydride, CAS: 108-31-6
in vivo, no adverse effect observed
in vitro, no adverse effect observed

#### Reproduction toxicity

Suspected of damaging fertility.  
Suspected of damaging the unborn child.  
Based on the available information, the classification criteria are fulfilled.  
Toxicological data of complete product are not available.  
Calculation method

Substance
Melamine, CAS: 108-78-1
NOAEL, 833 mg/kg, OECD 443, positive
Maleic anhydride, CAS: 108-31-6
NOAEL, oral, Rat, 140 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed
NOAEL, oral, Rat, 55 mg/kg bw/d (Effect on fertility), no adverse effect observed

#### Carcinogenicity

Does not contain a relevant substance that meets the classification criteria.  
Based on the available information, the classification criteria are not fulfilled.  
Toxicological data of complete product are not available.

Substance
Toluene, CAS: 108-88-3
NOAEC, inhalative, Rat, 4522 mg/m³ (chronic), no adverse effect observed
Maleic anhydride, CAS: 108-31-6
NOAEL, oral, Rat, 100 mg/kg bw/day, no adverse effect observed

#### Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

#### General remarks

none

### 11.2 Information on other hazards

#### Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

#### Other information

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## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Melamine, CAS: 108-78-1
LC50, (96h), Oncorhynchus kisutch, > 3000 mg/L
EC50, (48h), Daphnia magna, 200 mg/L EPA OPP 72-2
NOEC, (21d), Daphnia magna, >= 11 mg/L OECD 211
ErC50, (96h), Pseudokirchneriella subcapitata, 325 mg/L PRO/FT Algae-AC090-6
Toluene, CAS: 108-88-3
LC50, (96h), Oncorhynchus mykiss, 5,8 mg/l (Lit.)
EC50, (48h), Ceriodaphnia dubia, 3,78 mg/l
NOEC, Ceriodaphnia dubia, 0,74 mg/l (7 d)
NOEC, Oncorhynchus kisutch, 1,39 mg/l (40 d)
Maleic anhydride, CAS: 108-31-6
LC50, (96h), fish, 75 mg/L
EC50, (72h), Algae, 74.35 - 150 mg/L
EC50, (48h), Invertebrates, 42,81 - 330 mg/L
Fatty acids, C14-18 and C16-18-unsatd., maleated, CAS: 85711-46-2
EC50, (72h), Algae, 2,76 - 100 mg/L
EC50, (48h), Invertebrates, 5,3 - 100 mg/L
NOEC, (72h), Algae, 2,76 - 100 mg/L
NOEC, (48h), Invertebrates, 5,3 - 100 mg/L

### 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

Accumulation in organisms is not expected.

### 12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

### 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

None known.

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### 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) 080113\*

##### Contaminated packaging

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

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

### SECTION 14: Transport information

#### 14.1 UN number or ID number

Transport by land according to ADR/RID 1263

Inland navigation (ADN) 1263

Marine transport in accordance with IMDG 1263

Air transport in accordance with IATA 1263

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#### 14.2 UN proper shipping name

Transport by land according to ADR/RID Paint

- Classification Code F1

- Label



- ADR LQ 5 I

- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 3 (D/E)

Inland navigation (ADN) Paint

- Classification Code F1

- Label



Marine transport in accordance with IMDG Paint

- EMS F-E, S-E

- Label



- IMDG LQ 5 I

Air transport in accordance with IATA Paint

- Label



#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID 3

Inland navigation (ADN) 3

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 III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III

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#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable

### 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)	< 500 g/l

#### 15.2 Chemical safety assessment

not applicable

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 3)

H361f Suspected of damaging fertility.  
EUH071 Corrosive to the respiratory tract.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H318 Causes serious eye damage.  
H314 Causes severe skin burns and eye damage.  
H302 Harmful if swallowed.  
H412 Harmful to aquatic life with long lasting effects.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H304 May be fatal if swallowed and enters airways.  
H361d Suspected of damaging the unborn child.  
H225 Highly flammable liquid and vapour.  
  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H315 Causes skin irritation.



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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)  
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)  
Repr. 2: H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. (Calculation method)  
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Calculation method)  
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

### Modified position

SECTION 3 been added: Melamine  
SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.  
SECTION 2 been added: H317 May cause an allergic skin reaction.  
SECTION 2 been added: Skin Sens. 1  
SECTION 2 been added: H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
SECTION 2 deleted: H361d Suspected of damaging the unborn child.



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