

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

**1.1 Product identifier**

**Primer 180**

**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**

**Company** Ramsauer GmbH & Co KG  
Sarstein 17  
4822 Bad Goisern / H. / AUSTRIA  
Phone +43(0)6135 8205-0  
Fax +43(0)6135 8323  
Homepage [www.ramsauer.at](http://www.ramsauer.at)  
E-mail [office@ramsauer.at](mailto:office@ramsauer.at)

**Address enquiries to**

**Technical information** [office@ramsauer.at](mailto:office@ramsauer.at)

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

**1.4 Emergency telephone number**

**Advisory body** +43 (0) 1 406 43 43 (24h)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]**

Flam. Liq. 2: H225 Highly flammable liquid and vapour.  
Skin Irrit. 2: H315 Causes skin irritation.  
Eye Dam. 1: H318 Causes serious eye damage.  
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.

## 2.2 Label elements

### Hazard pictograms



### Signal word

DANGER

### Contains:

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

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Polydimethylsiloxane, (((3-((2-aminoethyl)amino)propyl)silylidin)tris(oxy))tris-,methoxy-terminated

Hydrocarbons, C6, isoalkanes, <5% n-hexane

### Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

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

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.

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.

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

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.

### Other hazards

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

**SECTION 3: Composition / Information on ingredients****Product-type:**

3.2 The product is a mixture.

Range [%]	Substance
25 - <50	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 - Skin Irrit. 2: H315 - STOT SE 3: H336 - Aquatic Chronic 2: H411
10 - <25	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 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
10 - <25	Polydimethylsiloxane, (((3-((2-aminoethyl)amino)propyl)silylidin)tris(oxy))tris-,methoxy-terminated CAS: 67923-07-3, EINECS/ELINCS: Polymer GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318 - Flam. Liq. 3: H226
10 - <25	Hydrocarbons, C6, isoalkanes, <5% n-hexane 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
1 - <10	Tetraethyl silicate CAS: 78-10-4, EINECS/ELINCS: 201-083-8, EU-INDEX: 014-005-00-0, Reg-No.: 01-2119496195-28-XXXX GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H332 - Eye Irrit. 2: H319 - STOT SE 3: H335
1 - <10	Acetic acid CAS: 64-19-7, EINECS/ELINCS: 200-580-7, EU-INDEX: 607-002-00-6, Reg-No.: 01-2119475328-30-XXXX GHS/CLP: Flam. Liq. 3: H226 - Skin Corr. 1A: H314 - Eye Dam. 1: H318
0,1 - <1	Methanol CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX GHS/CLP: Flam. Liq. 2: H225 - Acute Tox. 3: H301 H311 H331 - STOT SE 1: H370

**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**

Keep eyelid open. Rinse thoroughly and immediately with plenty of water.  
Shield unaffected eye.  
Seek medical advice immediately.

**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  
Risk of serious damage to eyes.

**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.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

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

**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 with the local regulations.

Cool containers at risk with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from all sources of ignition.

Ensure adequate ventilation.

**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 with 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.

## 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

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 11.09.2019, Revision 11.09.2019

Version 06. Supersedes version: 05

Page 6 / 16

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Substance
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
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
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>
Tetraethyl silicate
CAS: 78-10-4, EINECS/ELINCS: 201-083-8, EU-INDEX: 014-005-00-0, Reg-No.: 01-2119496195-28-XXXX
Long-term exposure: 10 ppm, 85 mg/m <sup>3</sup> , ACGIH
Acetic acid
CAS: 64-19-7, EINECS/ELINCS: 200-580-7, EU-INDEX: 607-002-00-6, Reg-No.: 01-2119475328-30-XXXX
Long-term exposure: 10 ppm, 25 mg/m <sup>3</sup>
Short-term exposure (15-minute): 15 ppm, 37 mg/m <sup>3</sup>
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Long-term exposure: 200 ppm, 266 mg/m <sup>3</sup> , Sk
Short-term exposure (15-minute): 250 ppm, 333 mg/m <sup>3</sup>

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

Substance / EC LIMIT VALUES
Tetraethyl silicate
CAS: 78-10-4, EINECS/ELINCS: 201-083-8, EU-INDEX: 014-005-00-0, Reg-No.: 01-2119496195-28-XXXX
Eight hours: 5 ppm, 44 mg/m <sup>3</sup>
Acetic acid
CAS: 64-19-7, EINECS/ELINCS: 200-580-7, EU-INDEX: 607-002-00-6, Reg-No.: 01-2119475328-30-XXXX
Eight hours: 10 ppm, 25 mg/m <sup>3</sup>
Short-term (15-minute): 20 ppm, 50 mg/m <sup>3</sup>
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Eight hours: 200 ppm, 260 mg/m <sup>3</sup> , H

**DNEL**

Substance
Acetic acid, CAS: 64-19-7
Industrial, inhalative, Long-term - local effects: 25 mg/m <sup>3</sup> .
Industrial, inhalative, Acute - local effects: 25 mg/m <sup>3</sup> .
general population, inhalative, Long-term - local effects: 25 mg/m <sup>3</sup> .
general population, inhalative, Acute - local effects: 25 mg/m <sup>3</sup> .
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.

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 11.09.2019, Revision 11.09.2019

Version 06. Supersedes version: 05

Page 7 / 16

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.
general population, oral, 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> .
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> .
general population, oral, Long-term - systemic effects: 1301 mg/kg bw/day.
Methanol, CAS: 67-56-1
Industrial, inhalative (vapor), Long-term - local effects: 260 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Acute - systemic effects: 260 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Long-term - local effects: 260 mg/m <sup>3</sup> .
Industrial, inhalative (vapor), Acute - local effects: 260 mg/m <sup>3</sup> .
Industrial, dermal, Acute - systemic effects: 40 mg/kg bw/day.
Industrial, inhalative (vapor), Long-term - systemic effects: 260 mg/m <sup>3</sup> .
Industrial, dermal, Long-term - systemic effects: 40 mg/kg bw/day.
general population, dermal, Acute - systemic effects: 8 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 8 mg/kg bw/day.
general population, oral, Acute - systemic effects: 8 mg/kg bw/day.
general population, dermal, Long-term - systemic effects: 8 mg/kg bw/day.
general population, inhalative (vapor), Long-term - systemic effects: 50 mg/m <sup>3</sup> .
general population, inhalative (vapor), Acute - systemic effects: 50 mg/m <sup>3</sup> .
general population, inhalative (vapor), Long-term - local effects: 50 mg/m <sup>3</sup> .
general population, inhalative (vapor), Acute - local effects: 50 mg/m <sup>3</sup> .
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Industrial, dermal, Long-term - systemic effects: 300 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 2085 mg/m <sup>3</sup> .
general population, oral, Long-term - systemic effects: 149 mg/kg bw/d.
general population, dermal, Long-term - systemic effects: 149 mg/kg bw/d.
general population, inhalative, Long-term - systemic effects: 477 mg/m <sup>3</sup> .
Tetraethyl silicate, CAS: 78-10-4
Industrial, inhalative, Long-term - systemic effects: 85 mg/m <sup>3</sup> .
Industrial, dermal, Acute - systemic effects: 12,1 mg/kg bw/d.
Industrial, inhalative, Acute - systemic effects: 85 mg/m <sup>3</sup> .
Industrial, inhalative, Acute - local effects: 85 mg/m <sup>3</sup> .
Industrial, dermal, Long-term - systemic effects: 12,1 mg/kg bw/d.
Industrial, inhalative, Long-term - local effects: 85 mg/m <sup>3</sup> .
general population, dermal, Long-term - systemic effects: 8,4 mg/kg bw/d.
general population, inhalative, Acute - local effects: 25 mg/m <sup>3</sup> .
general population, inhalative, Acute - systemic effects: 25 mg/m <sup>3</sup> .
general population, inhalative, Long-term - local effects: 25 mg/m <sup>3</sup> .
general population, inhalative, Long-term - systemic effects: 25 mg/m <sup>3</sup> .
general population, dermal, Acute - systemic effects: 8,4 mg/kg bw/d.

## PNEC

Substance
Acetic acid, CAS: 64-19-7
sediment (seawater), 1,136 mg/kg.
soil, 0,47 mg/kg soil dw.
sediment (freshwater), 11,36 mg/kg.

seawater, 0,306 mg/L.
freshwater, 3,058 mg/L.
sewage treatment plants (STP), 85 mg/l.
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
There are no PNEC values established for the substance.,
Methanol, CAS: 67-56-1
sediment (freshwater), 77 mg/kg.
freshwater, 20,8 mg/L.
seawater, 2,08 mg/L.
sewage treatment plants (STP), 100 mg/l.
soil, 100 mg/kg.
sediment (seawater), 7,7 mg/kg.
Tetraethyl silicate, CAS: 78-10-4
soil, 0,05 mg/kg dw.
sewage treatment plants (STP), 4000 mg/l.
sediment (freshwater), 0,83 mg/kg dw.
sediment (seawater), 0,083 mg/kg dw.
sediment (seawater), 0,018 mg/kg.
sediment (freshwater), 0,18 mg/kg.
sediment, 0,18 mg/kg dw.
seawater, 0,0192 mg/l.
freshwater, 0,192 mg/l.

## 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 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>	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.



Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 11.09.2019, Revision 11.09.2019

Version 06. Supersedes version: 05

Page 9 / 16

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form	liquid
Color	yellowish
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	>59
Flash point [°C]	ca. -10
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	not determined
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	partially miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	<7 mm <sup>2</sup> /s (40 °C)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not determined

**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**

Strong oxidizing agent.

### 10.6 Hazardous decomposition products

Flammable gases/vapours.

Contact with moisture liberates Methanol and Ethanol.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Product
ATE-mix, inhalation (vapour ), > 20 mg/l (4 h).
ATE-mix, dermal, > 2000 mg/kg.
ATE-mix, oral, > 2000 mg/kg.
Substance
Acetic acid, CAS: 64-19-7
LD50, dermal, Rabbit: 1060 mg/kg (Lit.).
LD50, oral, Rat: 1780 mg/kg (Lit.).
LC50, inhalative, Rat: 11,4 mg/l 4h.
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
LD50, oral, Rat: > 5800 mg/kg.
LD50, dermal, Rabbit: > 3920 mg/kg.
LC50, inhalative, Rat: > 25,2 mg/l 4h.
Hydrocarbons, C6, isoalkanes, <5% n-hexane
LD50, dermal, Rabbit: 5 mL/kg bw.
LD50, oral, Rat: 25 mL/kg bw.
LC50, inhalative, Rat: 73860 ppm (4 h).
Methanol, CAS: 67-56-1
LD50, dermal, Rabbit: 17100 mg/kg bw (Lit.).
LC50, inhalation (vapour ), Rat: 131,25 mg/l/4h (ECHA).
LDLo, oral, Human: 143 mg/kg bw (RTECS).
ATE, oral, 100 mg/kg.
ATE, dermal, 300 mg/kg.
ATE, inhalation (vapour ), 3 mg/l.
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
LD50, oral, Rat: > 3000 mg/kg bw.
Tetraethyl silicate, CAS: 78-10-4
LD50, oral, Rat: > 2500 mg/kg (OECD TG 423).
LC50, inhalative, Rat: 10 - 16 mg/l (OECD TG 403).
NOAEL, oral, Rat: 10 mg/kg (28 d) (OECD TG 422).

<b>Serious eye damage/irritation</b>	Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Risk of serious damage to eyes. Calculation method
<b>Skin corrosion/irritation</b>	Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Irritant Calculation method
<b>Respiratory or skin sensitisation</b>	Does not contain a relevant substance that meets the classification criteria.
<b>Specific target organ toxicity — single exposure</b>	Based on the available information, the classification criteria are fulfilled. Toxicological data of complete product are not available. Vapours may cause drowsiness and dizziness. Calculation method
<b>Specific target organ toxicity — repeated exposure</b>	Does not contain a relevant substance that meets the classification criteria.
<b>Mutagenicity</b>	Does not contain a relevant substance that meets the classification criteria.
<b>Reproduction toxicity</b>	Does not contain a relevant substance that meets the classification criteria.

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 11.09.2019, Revision 11.09.2019

Version 06. Supersedes version: 05

Page 12 / 16

<b>Carcinogenicity</b>	Does not contain a relevant substance that meets the classification criteria.
<b>Aspiration hazard</b>	Based on the available information, the classification criteria are fulfilled. v <20,5 mm <sup>2</sup> /s (40 °C) May be fatal if swallowed and enters airways. On basis of test data
<b>General remarks</b>	The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**SECTION 12: Ecological information****12.1 Toxicity**

Substance
Acetic acid, CAS: 64-19-7
LC50, (96h), <i>Lepomis macrochirus</i> : 75 mg/l.
EC50, (24h), <i>Daphnia magna</i> : 47 mg/l.
IC5, (16h), <i>Scenedesmus quadricauda</i> (alga): 4000 mg/l.
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane
EL50, (48h), <i>Daphnia magna</i> : 3 mg/l.
EL50, (72h), <i>Pseudokirchneriella subcapitata</i> : 30 - 100 mg/l.
NOEC, (21d), <i>Daphnia magna</i> : 0,17 mg/l.
LL50, (96h), <i>Oncorhynchus mykiss</i> : 11,4 mg/l.
LOEC, (21d), <i>Daphnia magna</i> : 0,32 mg/l.
Hydrocarbons, C6, isoalkanes, <5% n-hexane
EL50, (48h), Crustacea: 7,138 mg/L.
EL50, (72h), Algae: 13,56 mg/L.
NOELR, (96h), fish: 4,089 mg/L.
LL50, (96h), fish: 18,27 mg/L.
Methanol, CAS: 67-56-1
LC50, (96h), <i>Lepomis macrochirus</i> : 15400 mg/l (ECOTOX Database).
EC50, <i>Chlorella vulgaris</i> : 28,44 mg/l (OECD 201).
EC50, (48h), <i>Daphnia magna</i> : > 10000 mg/l (IUCLID).
NOEC, <i>Oryzias latipes</i> : 7900 mg/l/200h (OECD 210).
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
EC50, (48h), <i>Daphnia magna</i> : 3 mg/l.
EC50, (72h), <i>Pseudokirchneriella subcapitata</i> : 10 - 30 mg/l.
NOEC, (21d), <i>Daphnia magna</i> : 0,17 mg/l.
NOELR, (72h), <i>Pseudokirchneriella subcapitata</i> : 10 mg/l.
LL50, (96h), <i>Oncorhynchus mykiss</i> : > 13,4 mg/l.
Tetraethyl silicate, CAS: 78-10-4
LC50, (96h), <i>Brachidanio rerio</i> : > 245 mg/l (OECD TG 203).
EC50, (72h), <i>Pseudokirchneriella subcapitata</i> : > 100 mg/l (OECD TG 201).
EC50, (48h), <i>Daphnia magna</i> : > 75 mg/l (OECD TG 202).
NOEC, (96h), <i>Brachidanio rerio</i> : > 245 mg/l (OECD TG 203).
NOEC, (72h), <i>Pseudokirchneriella subcapitata</i> : > 100 mg/l (OECD TG 201).
NOEC, (48h), <i>Daphnia magna</i> : > 75 mg/l (OECD TG 202).

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 11.09.2019, Revision 11.09.2019

Version 06. Supersedes version: 05

Page 13 / 16

**12.2 Persistence and degradability**

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Biological degradability</b>	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 Other adverse effects**

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.  
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 c 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)** 070216\*  
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\*

**SECTION 14: Transport information****14.1 UN 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

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 11.09.2019, Revision 11.09.2019

Version 06. Supersedes version: 05

Page 14 / 16

**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, &lt; 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, &lt; 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, &lt; 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, &lt; 5% n-hexane)

- 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**

II

**Inland navigation (ADN)**

II

**Marine transport in accordance with IMDG**

II

**Air transport in accordance with IATA**

II

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 11.09.2019, Revision 11.09.2019

Version 06. Supersedes version: 05

Page 15 / 16

#### 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 Transport in bulk according to Annex II of MARPOL and the IBC Code

not determined

### SECTION 15: Regulatory information

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

EEC-REGULATIONS 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)

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

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

- VOC (2010/75/CE) 34 %

#### 15.2 Chemical safety assessment

not applicable

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 03)

H370 Causes damage to organs.  
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.  
H336 May cause drowsiness or dizziness.  
H315 Causes skin irritation.  
H304 May be fatal if swallowed and enters airways.  
H225 Highly flammable liquid and vapour.

**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  
 ELINCS = European List of Notified Chemical Substances  
 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  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 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)  
 Eye Dam. 1: H318 Causes serious eye damage. (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)

**Modified position**

SECTION 2 been added: Further hazards were not determined with the current level of knowledge.  
 SECTION 8 been added: In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.

Copyright: Chemiebüro®