

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

Printing date 15.06.2017

V - 3

Revision: 15.06.2017

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

- **1.1 Product identifier**
- **Trade name:** CARSYSTEM KS-850 UNTERBODENSCHUTZ
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Not determined
- **Application of the substance / the mixture** Anticorrosion additive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Vosschemie GmbH
Esinger Steinweg 50
D-25436 Uetersen
Phone: +49 (0)4122 717 0; Fax: +49 (0)4122 717158; info@vosschemie.de
- **Further information obtainable from:**
Abteilung Labor / +49 (0)4122 717 0
s.schaller@vosschemie.de
- **1.4 Emergency telephone number:**
Giftinformationszentrum (GIZ)-Nord, Goettingen, Deutschland
Phone: +49 (0)551 19240

· **1.5 Distributed By:**

Sydney Automotive Paint and Equipment

Unit A3, 366 Edgar Street

Condell Park

NSW 2200

Australia

Tel: +61 2 9772 9000

Email: reception@sape.com.au

Emergency telephone: AU Poison Information Centre 13 11 26

General medical information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)

Transport information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

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GHS07

Skin Irrit. 2	H315 Causes skin irritation.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aerosol 3	H229 Pressurised container: May burst if heated.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07 GHS08 GHS09

· **Signal word** Danger

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic compounds, <5% N-hexane

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

· **Hazard statements**

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

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· Dangerous components:		
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic compounds, <5% N-hexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	20-25%
EC number: 919-446-0 Reg.nr.: 01-2119458049-33	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	12.5-20%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane ⚠ Flam. Gas 1, H220; Press. Gas C, H280	12.5-20%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane ⚠ Flam. Gas 1, H220; Press. Gas C, H280	10-12.5%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	isobutane ⚠ Flam. Gas 1, H220; Press. Gas C, H280	10-12.5%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	1.0-2.5%
CAS: 67-56-1 EINECS: 200-659-6 Reg.nr.: 01-2119433307-44	methanol ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370	0.1-1%
CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	0.1-1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Personal protection for the First Aider.

Take affected persons out of danger area and lay down.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Do NOT induce vomiting.

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- Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
 - **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

Hazchem: 2YE

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Carbon monoxide and carbon dioxide
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Remove undamaged containers from the danger zone.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Ensure adequate ventilation
Do not inhale gases / fumes / aerosols.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with the eyes and skin.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.

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- Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.
- **Information about fire - and explosion protection:**
 - Fumes can combine with air to form an explosive mixture.
 - Do not spray onto a naked flame or any incandescent material.
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Store receptacle in a well ventilated area.
 - Keep container tightly sealed.
 - Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

106-97-8 butane

WEL (Great Britain)	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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67-56-1 methanol

WEL (Great Britain)	Short-term value: 333 mg/m ³ , 250 ppm Long-term value: 266 mg/m ³ , 200 ppm Sk
IOELV (EU)	Long-term value: 260 mg/m ³ , 200 ppm Skin

64742-95-6 Solvent naphtha (petroleum), light arom.

OEL (EU)	Short-term value: 120 mg/m ³ , 25 ppm
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· **DNELs**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic compounds, <5% N-hexane

Oral	Long-term exposure - systemic effects	699 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	699 mg/kg bw/day (general population) 773 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	608 mg/m ³ (general population)

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		2035 mg/m ³ (worker)
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
Oral	Long-term exposure - systemic effects	26 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	26 mg/kg bw/day (general population)
		44 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	71 mg/m ³ (general population)
		330 mg/m ³ (worker)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Oral	Long-term exposure - systemic effects	125 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	125 mg/kg bw/day (general population)
		208 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	900 mg/m ³ (general population)
		871 mg/m ³ (worker)
67-56-1 methanol		
Oral	Acute/short-term exposure - systemic effects	8 mg/kg bw/day (general population)
	Long-term exposure - systemic effects	8 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	8 mg/kg bw/day (general population)
		40 mg/kg bw/day (worker)
	Acute/short-term exposure - systemic effects	8 mg/kg bw/day (general population)
		40 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	50 mg/m ³ (general population)
		260 mg/m ³ (worker)
	Acute/short-term exposure - systemic effects	50 mg/m ³ (general population)
		260 mg/m ³ (worker)
	Acute/short-term exposure - local effects	50 mg/m ³ (general population)
		260 mg/m ³ (worker)
	Long-term exposure - local effects	50 mg/m ³ (general population)
		260 mg/m ³ (worker)
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	Long-term exposure - systemic effects	11 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	11 mg/kg bw/day (general population)
		25 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	32 mg/m ³ (general population)
		150 mg/m ³ (worker)

· PNECs

67-56-1 methanol

PNEC aqua	154 mg/l (freshwater)
	15.4 mg/l (marine water)
	1540 mg/l (intermittent releases)
PNEC sediment	570.4 mg/kg (freshwater)
PNEC STP	100 mg/l
PNEC soil	25.3 mg/kg (soil dw)

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Do not inhale gases / fumes / aerosols.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash contaminated clothing before reuse.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Use skin protection cream for skin protection.

Wash hands before breaks and at the end of work.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

No special procedures required if all workplace limit values are continuously respected.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

· **Protection of hands:**



Protective gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Preventive skin protection by use of skin-protecting agents is recommended.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Aerosol

Colour: Brown

· **Odour:** Characteristic

· **pH-value:** Not determined

· **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Not applicable, as aerosol.

· **Flash point:** Not applicable, as aerosol.

· **Ignition temperature:** > 200 °C

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower: 0.6 Vol %

Upper: 10.9 Vol %

· **Vapour pressure at 20 °C:** 3500 hPa

· **Density at 20 °C:** 0.7 g/cm³

· **Vapour density:** Not determined

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Partition coefficient: n-octanol/water:** Not determined

· **Viscosity:**

Dynamic: Not determined

Kinematic: Not determined

· **9.2 Other information:** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity:** No decomposition if used according to specifications.

· **10.2 Chemical stability:** No decomposition if used and stored according to specifications.

· **10.3 Possibility of hazardous reactions**

Forms explosive gas mixture with air.

Danger of bursting.

· **10.4 Conditions to avoid**

Protect from heat.

Avoid naked flames, sparks, other ignition sources and sunlight.

> 50 °C

· **10.5 Incompatible materials:** No further relevant information available.

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· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic compounds, <5% N-hexane

Oral	LD 50	> 5000 mg/kg (rat)
Dermal	LD 50	> 2000 mg/kg (rabbit)
Inhalative	LC 50 / 4h	> 25.2 mg/l (rat)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Oral	LD 50	> 5000 mg/kg (rat) (OECD Guideline 401)
Dermal	LD50	> 3400 mg/kg (rabbit) (OECD Guideline 402)
Inhalative	LC 50 / 4h	> 13.1 mg/l (rat) (OECD Guideline 403)

74-98-6 propane

Inhalative	LC 50 / 4h	> 31 mg/l (rat) (vapour)
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106-97-8 butane

Inhalative	LC 50 / 4h	> 31 mg/l (rat) (vapour)
	LC50 /4h	> 13023 ppm (rat)

75-28-5 isobutane

Inhalative	LC50 /4h	> 13023 ppm (rat) (vapour)
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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Oral	LD 50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD 50	> 5000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50 /4h	> 4951 mg/m ³ (rat) (OECD 403)

67-56-1 methanol

Oral	LD50	5628 mg/kg (rat)
Dermal	LD50	15800 mg/kg (rabbit)
Inhalative	LC50 /4h	83.8 mg/l (rat)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD 50	> 6800 mg/kg (rat)
Dermal	LD 50	> 3400 mg/kg (rabbit)
Inhalative	LC 50 / 4h	> 10.2 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Additional toxicological information:**
Causes damage to the central nervous system through prolonged or repeated exposure.
Repeated exposure may cause skin dryness or cracking.
- **Sensitisation** No sensitising effects known.

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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
No further relevant information available.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure**
Causes damage to the central nervous system through prolonged or repeated exposure.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic compounds, <5% N-hexane

EC50	1-10 mg/l (daphnia)
EC50/48h	10 mg/l (algae) (Phaeophyta)
EL50/48h	3 mg/l (daphnia magna)
EL50/72h	30-100 mg/l (Selenastrum capricornutum)
LC50	1-10 mg/l (fish)
LL50/96h	11.4 mg/l (oncorhynchus mykiss)
NOEC	0.1-1 mg/l (daphnia)
	1-10 mg/l (fish)

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

EC50/96h	0.58-1.2 mg/l (algae) (OECD Guideline 201)
EL50/48h	10-22 mg/l (daphnia magna) (OECD Guideline 202)
EL50/72h	4.1 mg/l (Pseudokirchneriella subcapitata) (OECD Guideline 201)
LL50/96h	10-30 mg/l (oncorhynchus mykiss) (OECD Guideline 203)
LOEC	0.2-0.83 mg/l (crustacean) (OECD Guideline 211, 21d)
NOEC	0.16 mg/l (algae) (OECD Guideline 201, 96h)
NOEC (aqua chron.)	0.1-0.37 mg/l (crustacean) (OECD Guideline 211, 21d)
	0.372 mg/l (daphnia magna) (OECD Guideline 211, 21d, immobilisation)
NOELR (aqua chron.)	0.13 mg/l (oncorhynchus mykiss) (28d)
NOELR	0.22-1 mg/l (Pseudokirchneriella subcapitata) (OECD Guideline 201, 72h)
	0.3 mg/l (oncorhynchus mykiss) (OECD Guideline 203, 96h)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

EC0/48h	> 1000 mg/l (daphnia magna)
EL50/72h	> 1000 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	> 1000 mg/l (oncorhynchus mykiss)
NOELR	>100 mg/l (Pseudokirchneriella subcapitata)

67-56-1 methanol

EC0	8000 mg/l (Scenedesmus quadricauda) (192h)
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EC50/48h	6600 mg/l (<i>pseudomonas putida</i>) (16h)
LC50/96h	> 10000 mg/l (<i>daphnia magna</i>)
	15400 mg/l (<i>Lepomis macrochirus</i>)
	29400 mg/l (<i>pimephales promelas</i>)

64742-95-6 Solvent naphtha (petroleum), light arom.

EC50/48h	6.14 mg/l (<i>daphnia magna</i>)
EL50/72h	56 mg/l (<i>Pseudokirchneriella subcapitata</i>) (OECD 201)
LC50/96h	9.22 mg/l (<i>oncorhynchus mykiss</i>)
LL50/96h	10 mg/l (<i>oncorhynchus mykiss</i>) (OECD 203)
NOELR (aqua chron.)	2.6 mg/l (<i>daphnia magna</i>) (OECD 211, 21d)
	2.6 mg/l (<i>pimephales promelas</i>) (OECD 204, 14d)

· 12.2 Persistence and degradability

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Biodegradation 74.7 % (OECD Guideline 301 F, 28d)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Biodegradation 80 % (28d)

67-56-1 methanol

Biodegradation 97 % (OECD- 301D (20d))

64742-95-6 Solvent naphtha (petroleum), light arom.

Biodegradation 74.3 % (ISO/DIS 14593, 28d)

· 12.3 Bioaccumulative potential

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

log Kow 2-7

106-97-8 butane

log Pow 2.8

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

BCF 10-2500

67-56-1 methanol

BCF < 10 (fish)

64742-95-6 Solvent naphtha (petroleum), light arom.

log Kow > 3

BCF 10 - 2500 (lit.) (calculated)

· Behaviour in environmental systems:

· 12.4 Mobility in soil

64742-95-6 Solvent naphtha (petroleum), light arom.

log Koc 1.783 - 2.36 (lit.) (calculated value)

Koc 60.7 - 229.2 (lit.) (calculated value)

· Ecotoxicological effects:

· **Remark:** Toxic for fish

· **Additional ecological information:**

· **General notes:**

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Disposal must be made according to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Waste disposal key:

The waste codes given above are to be considered recommendations; because of regional and industrial sector specific features, application of different waste codes is possible.

European waste catalogue

08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
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Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

· **ADR, IMDG, IATA** UN1950

14.2 UN proper shipping name

· **ADR** 1950 AEROSOLS

· **IMDG** AEROSOLS

· **IATA** AEROSOLS, flammable

14.3 Transport hazard class(es)

· **ADR** **Hazchem: 2YE**



· **Class** 2 5F Gases.

· **Label** 2.1

IMDG, IATA



· **Class** 2.1

· **Label** 2.1

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· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR):	Yes Symbol (fish and tree)
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code · Segregation Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	IL Code: E0 Not permitted as Excepted Quantity
· Transport category · Tunnel restriction code	2 D
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	IL Code: E0 Not permitted as Excepted Quantity

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- European regulations
- Directive 2004/42/EC 2004/42/IIB (e) (840) <840
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I methanol
- Seveso category E2 Hazardous to the Aquatic Environment
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations:
- Information about limitation of use:
Employment restrictions concerning juveniles must be observed.

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Employment restrictions concerning pregnant and lactating women must be observed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Abteilung Labor

· **Contact:** Frau S. Schaller

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 3: Aerosols – Category 3

Press. Gas C: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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