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Safety data sheet according to 1907/2006/EC, Article 31 V - 2Printing date 14.06.2018 Revision: 14.06.2018 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: CARSYSTEM 2K Clear VOC SpeedPlus · 1.2 Relevant identified uses of the substance or mixture and uses advised against The product is intended for professional use. · Application of the substance / the mixture Coating material \cdot 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 Fmergency telephone. ALI Poison Information Centre 13 11 26

Emergency telephone.	10 1 bison injormation centre 15 11 20
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

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS09 environment

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

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	HS07
En luvit 2	H210 Causes serious and imitation
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H336 May cause drowsiness or dizziness.
2.2 Label ele	
0	cording to Regulation (EC) No 1272/2008
	is classified and labelled according to the CLP regulation.
• Hazard picto	ograms
~	
J.L.	
	\vee \vee
GHS02 C	GHS07 GHS09
Signal word	Warning
Hazard_doto	rmining components of labelling:
<i>n-butyl aceta</i>	
	ass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-
piperidyl seb	
	tol tetrakis (3-mercapto propionate)
•	odecylthio)stannane
Hazard state	
	nable liquid and vapour.
	s serious eye irritation.
	ause an allergic skin reaction.
	ause drowsiness or dizziness.
	to aquatic life with long lasting effects.
Precautional	ry statements
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
	Use only outdoors or in a well-ventilated area.
	Wear protective gloves/protective clothing/eye protection/face protection.
	Avoid breathing mist/vapours/spray.
	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/internation
	regulations.
• Additional ir	iformation:
	peated exposure may cause skin dryness or cracking.
2.3 Other ha	zards
	BT and vPvB assessment
PBT: Not ap	
vPvB: Not ap	opticable.



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Trade name: CARSYSTEM 2K Clear VOC SpeedPlus

• 3.2 Chemical characterisati • Description: Mixture of subs	on: Mixtures stances listed below with nonhazardous additions.	
· Dangerous components:		
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	10-25%
CAS: 763-69-9 EINECS: 212-112-9 Reg.nr.: 01-2119463267-34	ethyl 3-ethoxypropionate Flam. Liq. 3, H226	5-15%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one ♦ Flam. Liq. 2, H225; ♦ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	1.0-7.5%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	0.1-1.0%
CAS: 110-43-0 EINECS: 203-767-1 Reg.nr.: 01-2119902391-49	heptan-2-one	0.1-1.0%
915-687-0 Reg.nr.: 01-2119491304-40	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317	0.1-<1.0
CAS: 7575-23-7 EINECS: 231-472-8	pentaerythritol tetrakis (3-mercapto propionate) Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); Acute Tox. 4, H302; Skin Sens. 1, H317	0.1-<0.5
CAS: 1185-81-5 EINECS: 214-688-7 Reg.nr.: 01-2119841260-50	dibutyl bis(dodecylthio)stannane Acute Tox. 3, H311; Muta. 2, H341; Repr. 1B, H360; STOT RE 1, H372; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<0.3

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 or oxygen; call for doctor. 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.

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Frade name: CARSYSTEM 2K Clear V	VOC SpeedPlus	
• After swallowing: Do not induce vo • 4.2 Most important symptoms and	e for several minutes under running water omiting; call for medical help immediately effects, both acute and delayed No furthe edical attention and special treatment ne vilable.	v. er relevant information available.
SECTION 5: Firefighting me	easures	
 5.1 Extinguishing media Suitable extinguishing agents: CO. For safety reasons unsuitable extin Water with full jet Water 5.2 Special hazards arising from the 		Hazchem: •3Y
Can form explosive gas-air mixture During heating or in case of fire po Carbon monoxide and carbon dioxi • 5.3 Advice for firefighters • Protective equipment: Wear self-contained respiratory pro-	s. isonous gases are produced. de	
SECTION 6: Accidental rele	ase measures	
 6.1 Personal precautions, protective Wear protective equipment. Keep us Ensure adequate ventilation Keep away from ignition sources. Use respiratory protective device as Avoid contact with the eyes and skin 6.2 Environmental precautions: Inform respective authorities in cas Do not allow to enter sewers/ surface 6.3 Methods and material for contace Ensure adequate ventilation. 	e equipment and emergency procedures nprotected persons away. gainst the effects of fumes/dust/aerosol. n. e of seepage into water course or sewage ce or ground water.	
Do not flush with water or aqueous Dispose contaminated material as v • 6.4 Reference to other sections See Section 7 for information on say See Section 8 for information on pe See Section 13 for disposal informa	cleansing agents vaste according to item 13. fe handling. rsonal protection equipment.	i binaers, sawaası).
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SECTION 7: Handling and storage · 7.1 Precautions for safe handling Keep receptacles tightly sealed. Ensure good ventilation/exhaustion at the workplace. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Do not inhale gases / fumes / aerosols. Use respiratory protective device against the effects of fumes/dust/aerosol. Avoid contact with the eyes and skin. • Information about fire - and explosion protection: Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration. Fumes can combine with air to form an explosive mixture. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. *Use explosion-proof apparatus / fittings and spark-proof tools.* · 7.2 Conditions for safe storage, including any incompatibilities · Storage: • Requirements to be met by storerooms and receptacles: Store only in the original receptacle. Store in a cool location. Adhere to the provisions of the Law on Water Protection. · Information about storage in one common storage facility: Pls. refer to section 10 Store away from oxidising agents. Keep away from foodstuffs, beverages and feed. • Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Store receptacle in a well ventilated area. 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:			
123-86-4 n-butyl acetate			
WEL (Great Britain)	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm		
108-10-1 4-methylpe	108-10-1 4-methylpentan-2-one		
WEL (Great Britain)	Short-term value: 416 mg/m³, 100 ppm Long-term value: 208 mg/m³, 50 ppm Sk, BMGV		
IOELV (EU)	Short-term value: 208 mg/m³, 50 ppm Long-term value: 83 mg/m³, 20 ppm		
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108-65-62	-methoxy-	1-methylethyl acetate	(Contd. of pa
		Short-term value: 548 mg/m ³ , 100	nnm
II LL (OIC	ai Dritain)	Long-term value: 274 mg/m ³ , 50 µ	
		Sk	-
IOELV (El	U)	Short-term value: 550 mg/m ³ , 100	
		Long-term value: 275 mg/m ³ , 50 p	opm
110_13_01	eptan-2-o	Skin	
		Short-term value: 475 mg/m³, 100	nnm
THE (OTER	n Druan)	Long-term value: 237 mg/m ³ , 50 µ	
		Sk	•
IOELV (El	U)	Short-term value: 475 mg/m³, 100	
		Long-term value: 238 mg/m ³ , 50 µ Skin	opm
		SKIII	
DNELs	h	tata	
123-86-4 n Oral	<i>butyl ace</i>	tate a exposure - systemic effects	3 1 matra builday (assand population)
Orai Dermal	Ũ	i exposure - systemic effects i exposure - systemic effects	3.4 mg/kg bw/day (general population) 3.4 mg/kg bw/day (general population)
Dermai	Long-lern	i exposure - systemic effects	7 mg/kg bw/day (general population) 7 mg/kg bw/day (worker)
Inhalativa	Long torn	n exposure - systemic effects	102.34 mg/m ³ (general population)
mannve	Long-lern	i exposure - systemic effects	480 mg/m ³ (worker)
	Acute/sho	rt-term exposure - systemic effects	859.7 mg/m ³ (general population)
	ne uie/sho	n term exposure systemic effects	960 mg/m ³ (worker)
	Acute/sho	rt-term exposure - local effects	859.7 mg/m ³ (general population)
	1100000,5110	i iemi esposare "ieear ejjeeis	960 mg/m ³ (worker)
	Long-tern	n exposure - local effects	102.34 mg/m ³ (general population)
	0	1 55	$480 \text{ mg/m}^3 (worker)$
763-69-9 e	thyl 3-etho	oxypropionate	
Oral	Long-tern	n exposure - systemic effects	1.2 mg/kg bw/day (general population)
Dermal	Long-tern	n exposure - systemic effects	24.2 mg/kg bw/day (general population)
			102 mg/kg bw/day (worker)
	Long-tern	n exposure - local effects	102 mg/cm ² (worker)
Inhalative	Long-tern	n exposure - systemic effects	72.6 mg/m ³ (general population)
			610 mg/m³ (worker)
	Long-tern	n exposure - local effects	72.6 mg/m ³ (general population)
			610 mg/m ³ (worker)
		ntan-2-one	
Oral	-	n exposure - systemic effects	4.2 mg/kg bw/day (general population)
Dermal	Long-tern	n exposure - systemic effects	4.2 mg/kg bw/day (general population)
			11.8 mg/kg bw/day (worker)
Inhalative	Long-tern	n exposure - systemic effects	14.7 mg/m ³ (general population)
			83 mg/m^3 (worker)
	Acute/sho	rt-term exposure - systemic effects	155.2 mg/m ³ (general population) (Contd. on pa



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			$208 mg/m^3$ (worker)	
	Acute	e/short-term exposure - local effects	155.2 mg/m ³ (general population)	
			208 mg/m ³ (worker)	
	Long	-term exposure - local effects	14.7 mg/m^3 (general population)	
			83 mg/m ³ (worker)	
108-65-62	-meth	oxy-1-methylethyl acetate		
Oral	Long	-term exposure - systemic effects	1.67 mg/kg bw/day (general population)	
Dermal	Long	-term exposure - systemic effects	54.8 mg/kg bw/day (general population)	
			153.5 mg/kg bw/day (worker)	
Inhalative	Long	-term exposure - systemic effects	33 mg/m ³ (general population)	
			275 mg/m ³ (worker)	
110-43-0 h	eptan	e-2-one		
Dermal	Long	-term exposure - systemic effects	54.27 mg/kg bw/day (worker)	
		-term exposure - systemic effects	394.25 mg/m ³ (worker)	
	Acute	e/short-term exposure - systemic effects	1516 mg/m^3 (worker)	
Reaction n			l) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-	
piperidyl s				
Oral	Acute	e/short-term exposure - systemic effects	1.25 mg/kg bw/day (general population)	
	Long	-term exposure - systemic effects	1.25 mg/kg bw/day (general population)	
Dermal	Long	-term exposure - systemic effects	1.25 mg/kg bw/day (general population)	
			2.5 mg/kg bw/day (worker)	
	Acute	e/short-term exposure - systemic effects	1.25 mg/kg bw/day (general population)	
			2.5 mg/kg bw/day (worker)	
Inhalative	Long	-term exposure - systemic effects	0.58 mg/m^3 (general population)	
			2.35 mg/m^3 (worker)	
	Acute	e/short-term exposure - systemic effects	0.58 mg/m^3 (general population)	
			2.35 mg/m ³ (worker)	
7575-23-7	penta	erythritol tetrakis (3-mercapto propio		
Dermal		-term exposure - systemic effects	3.4 mg/kg bw/day (worker)	
Inhalative	-	-term exposure - systemic effects	2.39 mg/m^3 (worker)	
	-	e/short-term exposure - local effects	$40.13 \text{ mg/m}^3 (worker)$	
		-term exposure - local effects	40.13 mg/m^3 (worker)	
PNECs	0		G (111)	
123-86-4 n	hut	l gaatata		
PNEC aqu	•			
FNEC aqu	а			
		0.018 mg/l (marine water)		
DNEC 1		0.36 mg/l (intermittent releases)		
PNEC sedi	iment 0.981 mg/kg (freshwater)			
	D	0.0981 mg/kg (marine water)		
PNEC ST	TP 35.6 mg/l			
PNEC soil		0.0903 mg/kg (soil dw)		



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763-69-9 ethvl 3	<i>-ethoxypropionate</i> (Contd. of pa
PNEC aqua	0.0609 mg/l (freshwater)
aqua	0.00609 mg/l (marine water)
	0.609 mg/l (intermittent releases)
PNEC sediment	0.419 mg/kg (freshwater)
i i i i i i i i i i i i i i i i i i i	0.0419 mg/kg (marine water)
PNEC STP	50 mg/l
PNEC soil	0.048 mg/kg
108-10-1 4-meth	· ·
PNEC aqua	0.6 mg/l (freshwater)
1	0.06 mg/l (marine water)
	1.5 mg/l (intermittent releases)
PNEC sediment	8.27 mg/kg (freshwater)
	0.83 mg/kg (marine water)
PNEC STP	27.5 mg/l
PNEC soil	1.3 mg/kg
	noxy-1-methylethyl acetate
PNEC aqua	0.635 mg/l (freshwater)
1	0.0635 mg/l (marine water)
	6.35 mg/l (intermittent releases)
PNEC sediment	3.29 mg/kg (freshwater)
	0.329 mg/kg (marine water)
PNEC STP	100 mg/l
PNEC soil	0.29 mg/kg (soil dw)
110-43-0 heptan	2-2-one
PNEC aqua	0.0982 mg/l (freshwater)
	0.00982 mg/l (marine water)
	0.982 mg/l (intermittent releases)
PNEC sediment	1.89 mg/kg (freshwater)
	0.189 mg/kg (marine water)
PNEC STP	12.5 mg/l
PNEC soil	0.321 mg/kg (soil dw)
Reaction mass o piperidyl sebaca	f Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4- te
PNEC aqua	0.0022 mg/l (freshwater)
	0.00022 mg/l (marine water)
	0.009 mg/l (intermittent releases)
PNEC sediment	1.05 mg/kg (freshwater)
	0.11 mg/kg (marine water)
PNEC STP	1 mg/l
PNEC soil	0.21 mg/kg (soil dw)
	(Contd. on pa



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1515-25-1 penu	(Contd. of page
DNEC area	erythritol tetrakis (3-mercapto propionate)
-	0.00003 mg/l (freshwater)
	0.0000034 mg/l (marine water)
	0.00034 mg/l (intermittent releases)
PNEC sediment	0.00102 mg/kg (freshwater)
	0.000102 mg/kg (marine water)
PNEC STP	2.39 mg/l
PNEC soil	0.000184 mg/kg (soil dw)
Ingredients with	biological limit values:
108-10-1 4-meth	ylpentan-2-one
BMGV (Great B)	ritain) 20 µmol/L
,	Medium: urine
	Sampling time: post shift
	Parameter: 4-methylpentan-2-one
Additional inform	mation: The lists valid during the making were used as basis.
Do not eat, drink Do not inhale ga Wash hands befo Immediately rem Wash contaminat Store protective of Avoid contact wi Use skin protecti Respiratory prot Adhere to the wo	
In case of brief e. use self-contained Filter A/P2 Protection of ha	rkplace limit values and / or other threshold values. protective device against the effects of fumes/dust/aerosol. xposure or low pollution use respiratory filter device. In case of intensive or longer exposu d respiratory protective device. nds: protection by use of skin-protecting agents is recommended.
In case of brief e. use self-contained Filter A/P2 Protection of han Preventive skin p Protect To avoid skin pro Check the perment The glove materi	protective device against the effects of fumes/dust/aerosol. xposure or low pollution use respiratory filter device. In case of intensive or longer exposu d respiratory protective device. nds: protection by use of skin-protecting agents is recommended. ctive gloves ctive gloves oblems reduce the wearing of gloves to the required minimum. ability prior to each anewed use of the glove. cal has to be impermeable and resistant to the product/ the substance/ the preparation. e glove material on consideration of the penetration times, rates of diffusion and the protection of the penetration times, rates of diffusion and the protection of the penetration times, rates of the glove.



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(Contd. of page 9) Recommended thickness of the material: $\geq 0.7 \text{ mm}$ 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

Value for the permeation: Level ≤ 6 (≥ 480 *min.*)

The exact break trough 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

9.1 Information on basic physical a	und chemical properties
General Information	
Appearance:	
Form:	Fluid
Colour:	Yellowish
Odour:	Characteristic
pH-value:	Not determined
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	25 °C
Ignition temperature:	Not determined
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air
0 7 1	vapour mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	15.0 Vol %
Density at 20 °C:	1 g/cm^3
Vapour density at 20 °C	10.7 hPa
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wat	er): Not determined
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.



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• 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 Fumes can combine with air to form an explosive mixture. Reacts with alkali, amines and strong acids. Reacts with oxidising agents.
- 10.4 Conditions to avoid Avoid naked flames, sparks, other ignition sources and sunlight.
- 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products: Formation of toxic gases is possible during heating or in case of fire. Carbon monoxide and carbon dioxide

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 relev	ant for classification:
123-86-4 n	ı-butyl acete	ate
Oral	LD50	10760 mg/kg (rat) (OECD 423)
Dermal	LD 50	> 5000 mg/kg (rabbit)
Inhalative	LC50 /4h	> 21 mg/l (rat) (OECD 403, vapour)
	LC 50 / 4h	23.4 mg/l (rat) (OECD 403, aerosol)
763-69-9 е	thyl 3-etho:	xypropionate
Oral	LD50	4309 mg/kg (rat) (OECD 401)
Dermal	LD50	4080 mg/kg (rabbit) (OECD 402)
108-10-1 4	-methylpen	tan-2-one
Oral	LD50	2080 mg/kg (rat)
Dermal	LD 50	16000 mg/kg (rab)
Inhalative	LC 50 / 4h	10-20 mg/l (rat)
108-65-62	-methoxy-1	-methylethyl acetate
Oral	LD 50	> 5000 mg/kg (rat)
Dermal	LD 50	> 2000 mg/kg (rat)
		> 5000 mg/kg (rabbit)
Inhalative	LC50 /4h	35.7 mg/l (rat)
	LC50 /6h	4345 mg/l (rat)
110-43-0 h	eptan-2-on	e
Oral	LD50	1600 mg/kg (rat)
	LD50	10206 mg/kg (rabbit)

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Inhalative	LC 50 / 4h	> 16.7 mg/l (rat) (OECD 403, EU Method B.2, Vapour)
Reaction n	nass of Bis((1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-
piperidyl s	ebacate	
Oral	LD50	3230 mg/kg (rat)
Dermal	LD50	>3170 mg/kg (rat)
65-85-0 B	enzoic acid	·
Oral	LD50	1700 mg/kg (rat)
7575-23-7	pentaeryth	ritol tetrakis (3-mercapto propionate)
Oral	LD50	1000-2000 mg/kg (rat)
Inhalative	LC50 /4h	>3363 mg/l (rat)
1185-81-5	dibutyl bis(dodecylthio)stannane
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	1000-2000 mg/kg (rabbit)
· Primary ir		
		ion Repeated exposure may cause skin dryness or cracking.
· Serious ey	e aamage/u rious eye irr	
		oxicity: No further relevant information available.
		cal information: Has a narcotising effect.
		tion possible through skin contact.
· CMR effec	cts (carcino	genity, mutagenicity and toxicity for reproduction) formation available.
		ty Based on available data, the classification criteria are not met.
α ·	n	

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

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

SECTION 12: Ecological information

Aquatic toxicity:			
123-86-4 n-butyl acetate			
EC50	356 mg/l (bacteria) (Tetrahymena, 40h)		
EC50/48h	44 mg/l (daphnia magna)		
EC50/72h	674.7 mg/l (scenedesmus subspicatus)		
	647.7 mg/l (desmodesmus subspicatus)		
LC50/96h	18 mg/l (pimephales promelas) (OECD 203)		
LC50	64 mg/l (danio rerio) (48h)		
NOEC	200 mg/l (desmodesmus subspicatus)		
763-69-9 ethyl 3	3-ethoxypropionate		
EC50/48h	785 mg/l (daphnia magna) (OECD 202, EU Method C.2)		
EC50/72h	> 114.86 mg/l (Pseudokirchneriella subcapitata) (OECD 201, EEC/Annex V C.3)		
	(Contd. on page 3		



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LC50/96h	(Contd. of page 45.3 mg/l (pimephales promelas) (OECD 203, EU Method C.1)
108-10-1 4-methylp	
EC50/48h	> 200 mg/l (daphnia magna) (OECD 202)
LC50/96h	> 179 mg/l (danio rerio)
	> 505 mg/l (pimephales promelas)
NOEC	78 mg/l (daphnia magna) (OECD 211, 21d)
NOEC (aqua chron.) 7.8 - 38 mg/l (daphnia magna) (21d)
	168 mg/l (pimephales promelas) (33d)
108-65-6 2-methoxy	-1-methylethyl acetate
EC10/0,5h	>1000 mg/l (activated slugde) (OECD 209)
EC50/48h	>500 mg/l (daphnia magna) (67/548/EWG Apendix V, C.2.)
EC50/72h	> 1000 mg/l (Pseudokirchneriella subcapitata) (OECD- 201)
LC50/96h	134 mg/l (oncorhynchus mykiss) (OECD- 203)
	> 100 mg/l (Oryzias latipes) (OECD 203)
NOEC	≥ 100 mg/l (daphnia magna) (21d, OECD 202)
	47.5 mg/l (Oryzias latipes) (14d, OECD 204)
110-43-0 heptan-2-0	one
EC50/48h	> 90.1 mg/l (daphnia magna) (OECD 202)
EC50/72h (static)	98.2 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC50/96h	131 mg/l (pimephales promelas) (EPA OPP 72-1)
Reaction mass of Bi piperidyl sebacate	s(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-
EC50	20 mg/l (daphnia magna) (OECD 202, 24h)
EC50/72h (static)	1.68 mg/l (desmodesmus subspicatus) (OECD 201)
EC50/3h	> 100 mg/l (activated slugde) (OECD 209, aerob)
LC50/96h	0.9 mg/l (danio rerio) (OECD 203, semistatic)
	0.97 mg/l (Lepomis macrochirus) (OECD 203)
	7.9 mg/l (oncorhynchus mykiss) (OECD 203)
NOEC (aqua chron.) 1 mg/l (daphnia magna) (OECD 211, semistatic, 21d)
7575-23-7 pentaeryi	hritol tetrakis (3-mercapto propionate)
EC50	>0.65 mg/l (desmodesmus subspicatus)
EL50/48h	>0.35 mg/l (daphnia magna)
LC50/96h	0.034 mg/l (oncorhynchus mykiss) (OECD 203)
1185-81-5 dibutyl bi	s(dodecylthio)stannane
EC50/48h	0.11 mg/l (daphnia magna)
EC50/72h	≥1.6 mg/l (scenedesmus subspicatus)
12.2 Persistence and	l degradability
123-86-4 n-butyl ac	
	% (OECD 301 D 28d)
763-69-9 ethyl 3-eth	
Biodegradation 100	
~	(Contd. on pag



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108-65-6 2-m	ethoxy-1-methylethyl acetate (Contd. of pag
BSB	83 % (activated slugde) (28d, OECD 301 F)
	on 100 % (OECD 302 B, 8d)
110-43-0 hep	
	on 69 % (OECD 310, 28d, aerobic)
	s of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-
	on 38 % (OECD 301F)
7575-23-7 pe	ntaerythritol tetrakis (3-mercapto propionate)
Biodegradati	on 26 % (OECD 301 B, 28d, aerobic)
1185-81-5 dil	putyl bis(dodecylthio)stannane
Biodegradati	on 0 % (OECD 301 F, 28d, aerobic)
12.3 Bioaccu	mulative potential
123-86-4 n-b	-
log Pow 2.3	-
BCF 15.3	
	l 3-ethoxypropionate
log Pow 1.35	
BCF 3.05	
108-10-1 4-m	ethylpentan-2-one
log Pow 1.38	
log Kow 1.31	
	ethoxy-1-methylethyl acetate
log Pow 0.56	
110-43-0 hep	tan-2-one
Kow 2.26	
Reaction mas piperidyl sebo	s of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4- ucate
log Kow 2.37	7-2.77 (OECD 107)
<i>BCF</i> <9.	7
-	ntaerythritol tetrakis (3-mercapto propionate)
log Pow 3.03	
BCF 23.7	
	environmental systems:
12.4 Mobility	
123-86-4 n-b	ıtyl acetate
log Koc 1.27	
	l 3-ethoxypropionate
log Koc 1.52	
Koc 32.7	8



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	(Contd. of page 14)
108-65-	6 2-methoxy-1-methylethyl acetate
Koc	1.7
	n mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4- I sebacate
log Koc	5.31
Koc	204400
7575-23	-7 pentaerythritol tetrakis (3-mercapto propionate)
log Koc	2.54
Koc	347
· Ecotoxi	cal effects:
· Remark	: Harmful to aquatic organisms
· Addition	nal ecological information:
· General	
Do not system.	allow undiluted product or large quantities of it to reach ground water, water course or sewage

· 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

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

• 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

· Uncleaned packaging:

· Recommendation:

*

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

· 14.1 UN-Number		
ADR, IMDG, IATA	UN1263	
· 14.2 UN proper shipping name		
ADR	1263 PAINT	
· IMDG, IATA	PAINT	



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	(Contd. of page
· 14.3 Transport hazard class(es)	Hazchem: •3Y
·ADR	
· Class	3 Flammable liquids.
· Label	3
· IMDG, IATA	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	III
· ADR, IMDG, IATA	111
· 14.5 Environmental hazards: · Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler):	30
· EMS Number:	F-E, <u>S-E</u> B
· Stowage Category	
 14.7 Transport in bulk according to Anno Marpol and the IBC Code 	ex II of Not applicable.
	Noi applicable.
· Transport/Additional information:	
$\cdot ADR$	51
· Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1
Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	2
• Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L Cadar F2
\cdot Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per inner packaging. 50 ml Maximum net quantity per outer packaging: 500 ml

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

*

· Named dangerous substances - ANNEX I None of the ingredients is listed.

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GB



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Trade name: CARSYSTEM 2K Clear VOC SpeedPlus

• Seveso category E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS

· National regulations:

• *Information about limitation of use:* Employment restrictions concerning juveniles must be observed. 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 H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H311 Toxic 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. H341 Suspected of causing genetic defects. H360 May damage fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very 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 SVHC: Substances of Very High Concern Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 3: Acute toxicity - Category 3 Acute Tox. 4: Acute toxicity - Category 4 (Contd. on page 18)



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Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A Muta. 2: Germ cell mutagenicity – Category 1A STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT SE 3: Specific target organ toxicity (repeated exposure) – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 · * Data compared to the previous version altered. (Contd. of page 17)