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Safety data sheet

according to 1907/2006/EC, Article 31 V - 5 Printing date 08.06.2017 Revision: 08.06.2017 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: CARSYSTEM FILL · 1.2 Relevant identified uses of the substance or mixture and uses advised against Not determined · Application of the substance / the mixture Knife filler/ Surfacer  $\cdot$  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 <sup>1</sup>.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) +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST) **Transport information:** 

## **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.

GHS08 health hazard

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according to 1907/2006/EC, Article 31 Printing date 08.06.2017 V - 5 Revision: 08.06.2017 Trade name: CARSYSTEM FILL (Contd. of page 1) H361d Suspected of damaging the unborn child. Repr. 2 STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation. GHS07 Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation. · 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 GHS02 GHS07 GHS08 · Signal word Danger · Hazard-determining components of labelling: styrene · Hazard statements H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H361d Suspected of damaging the unborn child. H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation. · Precautionary statements P101 If medical advice is needed, have product container or label at hand. Keep out of reach of children. P102 P201 Obtain special instructions before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. 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.

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SECTION 3: Com	position/information on ingredients
· 3.2 Chemical character	
-	of substances listed below with nonhazardous additions.
· Dangerous componen	
CAS: 100-42-5	styrene 10-<20
EINECS: 202-851-5	♦ Flam. Liq. 3, H226; ♦ Repr. 2, H361d; STOT RE 1, H372; Asp.
<i>Reg.nr.:</i> 01-21194578	61-32 Tox. 1, H304; () Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412
Additional informatio	<i>n</i> : For the wording of the listed hazard phrases refer to section 16.
· Auditional informatio	<b>n.</b> For the wording of the tisted hazard phrases refer to section 10.
SECTION 4: First	t aid measures
• 4.1 Description of firs	t aid measures
• General information:	
	ng may even occur after several hours; therefore medical observation for at least
hours after the accider	
Personal protection fo	or the First Aider.
	out of danger area and lay down.
	eathing or respiratory arrest provide artificial respiration.
	ny clothing soiled by the product.
• After inhalation:	
Supply fresh air or oxy	
	sness place patient stably in side position for transportation.
• After skin contact:	
÷	h water and soap and rinse thoroughly.
If skin irritation contir • After eye contact:	iues, consuit a aoctor.
	everal minutes under running water. Then consult a doctor.
Call a doctor immedia	
	not induce vomiting; call for medical help immediately.
	mptoms and effects, both acute and delayed No further relevant information availab
	immediate medical attention and special treatment needed
No further relevant inj	formation available.
SECTION 5: Fire	fighting measures
•	Il and and
• 5.1 Extinguishing me	<i>g agents:</i> CO2, powder or water spray. Fight larger fires with water spray.
	suitable extinguishing agents: Water with full jet
	rising from the substance or mixture
	ses is possible during heating or in case of fire.
· 5.3 Advice for firefigh	
· Protective equipment:	
	espiratory protective device.
	on gases or combustion gases.
· Additional informatio	
	ptacles with water spray.
Collect contaminated j	fire fighting water separately. It must not enter the sewage system.
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(Contd. of page 3) Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### **SECTION 6:** Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Avoid contact with the eyes and skin. Ensure adequate ventilation Do not inhale gases / fumes / aerosols. Keep away from ignition sources. · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system. · 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents · 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 receptacles tightly sealed. Ensure good ventilation/exhaustion at the workplace. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. · Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Fumes can combine with air to form an explosive mixture. Protect against electrostatic charges. Use explosion-proof apparatus / fittings and spark-proof tools. Ground/bond container and receiving equipment.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

• Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

- Information about storage in one common storage facility: Store away from oxidising agents.
- 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. Protect from heat and direct sunlight.
- $\cdot$  Recommended storage temperature: < 30 °C
- 7.3 Specific end use(s) No further relevant information available.

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Additional	l infor	mation about design of technical facili	ities: No further data; see item 7.	
8.1 Contro	-		-	
	-	n limit values that require monitoring a	t the workplace:	
100-42-5 s	tyren	e		
WEL (Gree	at Brit	tain) Short-term value: 1080 mg/m <sup>3</sup> , 25 Long-term value: 430 mg/m <sup>3</sup> , 100		
DNELs		<b>t</b>		
100-42-5 s	tyren	е		
Oral	Long	-term exposure - systemic effects	2.1 mg/kg bw/day (general population)	
Dermal	Long	e-term exposure - systemic effects	343 mg/kg bw/day (general population)	
			406 mg/kg bw/day (worker)	
Inhalative	Long	-term exposure - systemic effects	10.2 mg/m <sup>3</sup> (general population)	
	Ŭ		$85 \text{ mg/m}^3$ (worker)	
	Acute	e/short-term exposure - systemic effects	174.25 mg/m <sup>3</sup> (general population)	
			289 mg/m <sup>3</sup> (worker)	
	Acute	e/short-term exposure - local effects	182.75 mg/m <sup>3</sup> (general population)	
		1 00	306 mg/m <sup>3</sup> (worker)	
PNECs				
100-42-5 s	tvren	0		
PNEC aqu	-	0.028 mg/l (freshwater)		
11120 aqu	-ci	0.0028 mg/l (marine water)		
		0.04 mg/l (intermittent releases)		
PNFC sed	im <i>o</i> nt	0.614 mg/kg (freshwater)		
THEC Seul	inichi	0.0614 mg/kg (marine water)		
PNEC ST	Р	5 mg/l		
PNEC soil		0.2 mg/kg (soil dw)		
		mation: The lists valid during the maki	ng ware used as basis	
	•	-	ng were used as basis.	
8.2 Exposi		ntrols tive equipment:		
		ive equipment. ive and hygienic measures:		
		ises / fumes / aerosols.		
Avoid cont	tact wi	ith the eyes and skin.		
		ore breaks and at the end of work.		
		foodstuffs, beverages and feed.		
		k, smoke or sniff while working.		
		clothing separately. 10ve all soiled and contaminated clothir	10	
		inated clothing.	*0	
00		ion cream for skin protection.		
Respirator				
		ntilation/exhaustion at the workplace.		
Aanere to	ine wo	orkplace limit values and / or other thre	shold values. (Contd. on p	
			r i i i i i i i i i i i i i i i i i i i	



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(Contd. of page 5) In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter A/P2 • Protection of hands:

1112

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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

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

• Material of gloves

Fluorocarbon rubber (Viton)

*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  $\leq 6 \ (\geq 480 \text{ min})$ The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Not suitable are gloves made of the following materials: Natural rubber, NR Chloroprene rubber, CR Nitrile rubber, NBR Butyl rubber, BR PVC gloves

• Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

#### **SECTION 9: Physical and chemical properties** · 9.1 Information on basic physical and chemical properties · General Information · Appearance: Form: Pasty Colour: Light grev · Odour: **Characteristic** · pH-value: Not determined · Change in condition *Melting point/Melting range:* Undetermined. (Contd. on page 7) GB



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Boiling point/Boiling range:	145 °C
· Flash point:	31 °C
· Ignition temperature:	480 °C
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air vapour mixtures are possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	8.9 Vol %
· Vapour pressure at 20 °C:	6 hPa
· Density at 20 •C:	1.9 g/cm <sup>3</sup>
· Vapour density	Not determined
· Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wa	ter): 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 Reacts with peroxides and other radical forming substances. Exothermic polymerisation.

• 10.4 Conditions to avoid Protect from heat.

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.

## **SECTION 11: Toxicological information**

 $\cdot$  11.1 Information on toxicological effects

• Acute toxicity Based on available data, the classification criteria are not met.

12000000				,	
· LD/LC5	50 values	relevant	for clas	sification:	

		annes i ere	fun jor classification.	
ſ	100-42-5 s	tyrene		
ſ	Oral	LD50	5000 mg/kg (rat)	
	Dermal	LD 50	>2000 mg/kg (rat) (OECD 402)	
	Inhalative	LC50 /4h	11.8 mg/l (rat)	
			(0 1	0)

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<ul> <li>Primary irritant effect:</li> <li>Skin corrosion/irritation Causes skin irritation.</li> <li>Serious eye damage/irritation Causes serious eye irritation.</li> </ul>			(Contd. of page 7)			
• Subacute to chronic toxicity:						
100-42-5 styrene						
Inhalative NOAEL (subacute)	InhalativeNOAEL (subacute)0.85 mg/l (rat) (13w, 6h/day, Vapour)NOAEL (subchronic)0.8 mg/l (rat) (OECD 453, 2a, 6h/day, Vapour)					
	-	at) (OECD 453, 2a,	6h/day, Vapour)			
<ul> <li>Additional toxicological inform Causes damage to the hearin Inhalation.</li> <li>Sensitisation No sensitising effe CMR effects (carcinogenity, ma Suspected of damaging the unbol</li> </ul>	eg organs th cts known. u <b>tagenicity a</b> i		or repeated exposure. Route of exposure: oduction)			
Carcinogenicity						
100-42-5 styrene						
Inhalative NOAEL (carcinogen	icity) 4.34 m	g/l (rat) (OECD 45.	3, 2a, 6h/day, 5d/week, Vapour)			
· Reproductive toxicity/Fertility						
100-42-5 styrene						
Inhalative NOAEL (fertility) 0.	65 mg/l (rat,	parents) (OECD 41	6, Vapour)			
0.	22 mg/l (rat,	F2) (OECD 416, Va	ipour)			
2.	2 mg/l (rat) (	OECD 416, Parents	r, Vapour)			
· Reproductive toxicity/Teratoget	nicity					
100-42-5 styrene	-					
Inhalative NOAEL (development	ıtal toxicity)	2.6 mg/l (rat)				
NOAEL (teratogenic	rity)	2.6 mg/l (rat)				
LOAEL (maternally)		1.3 mg/l (rat)				
<ul> <li>Germ cell mutagenicity Based of Carcinogenicity Based on avail</li> <li>Reproductive toxicity Suspected of damaging the unbother STOT-single exposure Based of STOT-repeated exposure Causes damage to the hearing Inhalation.</li> <li>Aspiration hazard Based on available</li> </ul>	able data, the orn child. n available da g organs th	e classification crite ata, the classificatio rough prolonged o	ria are not met. n criteria are not met. or repeated exposure. Route of exposure:			

## **SECTION 12: Ecological information**

· 12.1 Toxicity

\*

• Aquatic toxicity:

# 100-42-5 styrene

EC10/96h 0.28 mg/l (Pseudokirchneriella subcapitata) (EPA OTS 797.1050)

EC50/48h 4.7 mg/l (daphnia magna) (OECD 202)

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· 13.1 Waste treatment methods

· Recommendation

*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

07 02 08\* other still bottoms and reaction residues

· Uncleaned packaging:

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

## SECTION 14: Transport information

· 14.1 UN-Number

· ADR, IMDG, IATA

UN1866

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rade name: CARSYSTEM FILL		
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· 14.2 UN proper shipping name · ADR · IMDG, IATA	1866 RESIN SOLUTION RESIN SOLUTION	
<ul> <li>· 14.3 Transport hazard class(es)</li> <li>· ADR, IMDG, IATA</li> </ul>	Hazchem: •3Y	
· Class · Label	3 Flammable liquids. 3	
· 14.4 Packing group · ADR, IMDG, IATA	111	
· 14.5 Environmental hazards:	Not applicable.	
<ul> <li>14.6 Special precautions for user</li> <li>Danger code (Kemler):</li> <li>EMS Number:</li> <li>Stowage Category</li> </ul>	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A	
• 14.7 Transport in bulk according to Anno Marpol and the IBC Code	e <b>x II of</b> Not applicable.	
· Transport/Additional information:		
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packa Maximum net quantity per outer packa	
• Tunnel restriction code • Remarks:	D/E ADR 2.2.3.1.5 ≤ 450 l: -	
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packa Maximum net quantity per outer packa	
· Remarks:	Maximum net quantity per outer packa IMDG-Code 2.3.2.5 ≤ 30 l: -	uging: 1000 ml

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 (b) (250) <250

· Directive 2012/18/EU

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

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· Seveso category 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. • Other regulations, limitations and prohibitive regulations

Adhere to the Ordinances on the Prohibition of Certain Chemicals.

· 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

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
- H412 Harmful 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. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Repr. 2: Reproductive toxicity – Category 2 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 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 • \* Data compared to the previous version altered.

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