

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

Printing date 13.06.2017

V - 2

Revision: 13.06.2017

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

- **1.1 Product identifier**
- **Trade name:** CARSYSTEM KS-300 Hohlräumwachs
- **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**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

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

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GHS09 environment

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



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

· **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



GHS09

· **Signal word Danger**

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

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

Sulfonic acids, petroleum, calcium salts

Naphtha (petroleum), hydrotreated heavy

· **Hazard statements**

H226 Flammable liquid and vapour.

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**

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

P243 Take precautionary measures against static discharge.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

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

· Dangerous components:

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	25-<50%
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	5-<10%
CAS: 61789-86-4 Reg.nr.: 01-2119488992-18	Sulfonic acids, petroleum, calcium salts ⚠ Skin Sens. 1B, H317	5-<10%

· **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.

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; call for medical help 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

5.1 Extinguishing media

Hazchem: •3Y

· 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

Can form explosive gas-air mixtures.

During heating or in case of fire poisonous gases are produced.

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- **5.3 Advice for firefighters**
- **Protective equipment:**
 - Do not inhale explosion gases or combustion gases.
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information**
 - Remove undamaged containers from the danger zone.
 - Cool endangered receptacles with water spray.
 - Collect contaminated fire fighting water separately. It must not enter the sewage system.
 - 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.
 - Keep away from ignition sources.
 - Use respiratory protective device against the effects of fumes/dust/aerosol.
 - Avoid contact with the eyes and skin.
- **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:**
 - Ensure adequate ventilation.
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose of the material collected according to regulations.
- **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**
 - Ensure good ventilation/exhaustion at the workplace.
 - Use only in well ventilated areas.
 - Keep receptacles tightly sealed.
 - Prevent formation of aerosols.
 - Do not inhale gases / fumes / aerosols.
 - Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
 - 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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store only in the original receptacle.

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- Adhere to the provisions of the Law on Water Protection.
- **Information about storage in one common storage facility:** 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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

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)

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Do not eat, drink, smoke or sniff while working.
- Wash hands before breaks and at the end of work.
- Immediately remove all soiled and contaminated clothing
- Store protective clothing separately.
- Avoid contact with the eyes and skin.
- Use skin protection cream for skin protection.

· **Respiratory protection:**

- Adhere to the workplace limit values and / or other threshold values.
- 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 AX

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· **Protection of hands:**

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



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.

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

· **Material of gloves**

DIN EN 374

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.12 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 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

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Fluid

Colour: Beige

· **Odour:** Characteristic

· **Odour threshold:** Not determined

· **pH-value:** Not determined

· **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: 135 °C

· **Flash point:** 31 °C

· **Ignition temperature:** >200 °C

· **Decomposition temperature:** Not determined

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· 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:	7.0 Vol %
· Vapour pressure at 20 °C:	27 hPa
· Density at 20 °C:	0.85 g/cm ³
· Relative density	Not determined
· Vapour density	Not determined
· Evaporation rate	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 at 20 °C:	30 s (DIN 53211/4)
· 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.
- **10.4 Conditions to avoid** No further relevant information available.
- **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

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, 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)

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)

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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **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:** Repeated exposure may cause skin dryness or cracking.
- **Sensitisation**
Based on available data, the classification criteria are not met.
Sensitising effect by skin contact is possible by prolonged exposure.
- **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** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

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)

· **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)

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· 12.3 Bioaccumulative potential

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

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

BCF | 10-2500

- **Behaviour in environmental systems:**
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
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.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **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:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1139
- **14.2 UN proper shipping name**
- **ADR** 1139 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS
- **IMDG** COATING SOLUTION, MARINE POLLUTANT
- **IATA** COATING SOLUTION

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· **14.3 Transport hazard class(es)** **Hazchem: •3Y**
 · **ADR, IMDG**

 · **Class** 3 Flammable liquids.
 · **Label** 3

· **IATA**

 · **Class** 3 Flammable liquids.
 · **Label** 3

· **14.4 Packing group**
 · **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**
 · **Marine pollutant:** Symbol (fish and tree)
 · **Special marking (ADR):** Symbol (fish and tree)

· **14.6 Special precautions for user** Warning: Flammable liquids.
 · **Danger code (Kemler):** 30
 · **EMS Number:** F-E,S-D
 · **Stowage Category** A

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**
 · **Limited quantities (LQ)** 5L
 · **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
 · **Transport category** 3
 · **Tunnel restriction code** D/E

· **IMDG**
 · **Limited quantities (LQ)** 5L
 · **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

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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) <450**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
- **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.
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**
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
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.
- **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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Skin Sens. 1B: Skin sensitisation – Category 1B
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.**