

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

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Page 1/11

*according to 1907/2006/EC, Article 31*

*Printing date 24.04.2015 V - 1 Revision: 23.04.2015*

40.1.3

· **1.1 Product identifier**

· **Trade name: CARSYSTEM KS-200 Hohlräumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

· **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](mailto:info@vosschemie.de)*

· **Further information obtainable from:**

*Abteilung Labor / +49 (0)4122 717 0*

*[s.schaller@vosschemie.de](mailto:s.schaller@vosschemie.de)*

· **1.4 Emergency telephone number:**

*Giftinformationszentrum (GIZ)-Nord, Goettingen, Deutschland*

*Phone: +49 (0)551 19240*

.

**Distributed By:**

Distributor in New Zealand

RA Johnstone & Co Ltd.

33 Ha Crescent Wiri, Auckland 2104

Phone: 09 25000 90

Fax: 09 25000 92

[www.raj.co.nz](http://www.raj.co.nz)

Emergency Telephone in New Zealand (24 hours)

National Poison Centre: 0800 POISON [764 766]

· **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.*

(Contd. on page 2)

GB

Page 2/11

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

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**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 1)

40.1.3

GHS09 environment

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

GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

**· Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Harmful

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10-66-67: Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**· Information concerning particular hazards for human and environment:**

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotising effect.

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**· Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**· 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%)

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

**· 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**

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

(Contd. on page 3)

GB

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

Page 3/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlraumkonservierung**

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(Contd. of page 2)

40.1.3

*P102 Keep out of reach of children.*

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

*P260 Do not breathe mist/vapours/spray.*

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

*P405 Store locked up.*

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

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

**· Additional information:**

*EUH066 Repeated exposure may cause skin dryness or cracking.*

**· 2.3 Other hazards**

**· Results of PBT and vPvB assessment**

**· PBT:** Not applicable.

**· vPvB:** Not applicable.

**· 3.2 Chemical characterisation: Mixtures**

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

**· Dangerous components:**

CAS: 64742-82-1

EC number: 919-446-0

Reg.nr.: 01-2119458049-33

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

Xn R48/20-65; N R51/53

R10-66-67

Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304;

Aquatic Chronic 2, H411; STOT SE 3, H336

25-<50%

CAS: 64742-48-9

EC number: 919-857-5

Reg.nr.: 01-2119463258-33

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

Xn R65

R10-66-67

Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3,

H336

1-<5%

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

**· 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. (Contd. on page 4) GB*

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

Page 4/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlraumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 3)

40.1.3

*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.*

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

*CO<sub>2</sub>, 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.*

· **5.3 Advice for firefighters**

· **Protective equipment:**

*Do not inhale explosion gases or combustion gases.*

*Wear self-contained respiratory protective device.*

· **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.*

· **6.1 Personal precautions, protective equipment and emergency procedures**

*Wear protective equipment. Keep unprotected persons away.*

*Ensure adequate ventilation*

*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:**

*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:**

*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.*

· **7.1 Precautions for safe handling**

*Keep receptacles tightly sealed.*

(Contd. on page 5) GB

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

Page 5/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlraumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 4)

40.1.3

*Prevent formation of aerosols.*

*Do not inhale gases / fumes / aerosols.*

*Ensure good ventilation/exhaustion at the workplace.*

*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.*

*Use explosion-proof apparatus / fittings and spark-proof tools.*

*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.*

*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.*

**· 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**

**64742-82-1 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<sup>3</sup> (general population)*

*330 mg/m<sup>3</sup> (worker)*

**64742-48-9 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<sup>3</sup> (general population)*

*871 mg/m<sup>3</sup> (worker)*

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

(Contd. on page 6)

GB

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

Page 6/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlraumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 5)

40.1.3

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

*Do not inhale gases / fumes / aerosols.*

*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:**

*Ensure good ventilation/exhaustion at the workplace.*

*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*

· **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**

*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**

GB

(Contd. on page 7)

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

Page 7/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlraumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 6)

40.1.3

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

· **General Information**

· **Appearance:**

**Form:** Pasty

**Colour:** Brown

· **Odour:** Characteristic

· **Odour threshold:** Not determined

· **pH-value:** Not determined

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 130 °C

· **Flash point:** 31 °C

· **Ignition temperature:** > 200 °C

· **Decomposition temperature:** Not determined

· **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:** 0.6 Vol %

**Upper:** 7.0 Vol %

· **Vapour pressure at 20 °C:** 27 hPa

· **Density at 20 °C:** 0.87 g/cm<sup>3</sup>

· **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.

· **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.

(Contd. on page 8)

GB

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

Page 8/11

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

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**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 7)

40.1.3

Carbon monoxide

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

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

Inhalative ATE 30.5 mg/l (rat)

**64742-82-1 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)

**64742-48-9 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<sup>3</sup> (rat) (OECD 403)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Subacute to chronic toxicity:** No further relevant information available.

· **Additional toxicological information:**

Vapours may cause drowsiness and dizziness.

Has a narcotising effect.

· **Sensitisation** No sensitising effects known.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

No further relevant information available.

· **12.1 Toxicity**

· **Aquatic toxicity:**

**64742-82-1 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 4.6-10 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 0.22-1 mg/l (Pseudokirchneriella subcapitata) (OECD Guideline 201, 72h)

0.3 mg/l (oncorhynchus mykiss) (OECD Guideline 203, 96h)

NOELR (aqua chron.) 0.13 mg/l (oncorhynchus mykiss) (28d)

(Contd. on page 9)

GB



**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

Page 9/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlraumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 8)

40.1.3

**64742-48-9 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**

**64742-82-1 Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

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

**64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

Biodegradation 80 % (-) (28d)

· **12.3 Bioaccumulative potential**

**64742-82-1 Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

log Kow 2-7 (-)

· **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:**

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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.

· **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.

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

GB  
(Contd. on page 10)

Page 10/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlräumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 9)

40.1.3

· **14.1 UN-Number**

· **ADR, IMDG, IATA UN1139**

· **14.2 UN proper shipping name**

· **ADR 1139 COATING SOLUTION**

· **IMDG, IATA COATING SOLUTION**

· **14.3 Transport hazard class(es)**

· **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-E**

· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.**

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ) 5L**

· **Transport category 3**

· **Tunnel restriction code D/E**

· **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) <410**

(Contd. on page 11)

GB

**CAR SYSTEMS KS-200 CAVITY WAX**  
**V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: SAFETY DATA SHEET**

---

The HSN0 Approval Number for this Group Standard is HSR002548.

Page 11/11

**Safety data sheet**

**according to 1907/2006/EC, Article 31**

Printing date 24.04.2015 V - 1 Revision: 23.04.2015

**Trade name: CARSYSTEM KS-200 Hohlraumkonservierung**

**RA Johnstone NZ: V126062 – 1Lt, V140123 – 5 Lt, V141568 – 20 Lt: CAR SYSTEM CAVITY WAX**

(Contd. of page 10)

40.1.3

· **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.*

*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.

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.

R10 Flammable.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** 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*

*Flam. Liq. 3: Flammable liquids, Hazard Category 3*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

*STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1*

*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*

*Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2*

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