

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 05.01.2009

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Revision: 05.01.2009

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

- **Trade name:** **CARSYSTEM PRIMER 1K HIGH BUILD**
 · **Application of the substance / the preparation** Priming

· **Manufacturer/Supplier:**

Vosschemie GmbH
 Esinger Steinweg 50
 D-25436 Uetersen
 Phone: +49 4122 717 0 Fax: +49 4122 717158 info@vosschemie.de

Distributor in New Zealand

R A Johnstone & Co Ltd
 739 Great South Road, Otahuhu
 PO Box 97 948 SAMC. Manukau 2240
 Auckland. New Zealand
 Ph :+64 9 261 0333
 Fax:+64 9 261 0330
 www.raj.co.nz

· **Further information obtainable from:**

Abteilung Labor / +49-4122-717-0
 s.schaller@vosschemie.de

Emergency telephone in New Zealand

National Poison Center(24 hours):

0800 POISON [764 766]

· **Information in case of emergency:**

Giftinformationszentrum (GIZ)-Nord, Goettingen, Deutschland
 +49-551-19240, +49-551-383180

2 Hazards identification

· **Hazard description:**



Xn Harmful
 F+ Extremely flammable



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

Has a narcotizing effect.

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

Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided.

Warning! Pressurized container.

Buildup of explosive mixtures possible without sufficient ventilation.

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.

R 12 Extremely flammable.

The HSN0 Approval Number for this Group Standard is HSR002515.

R 36 Irritating to eyes.

R 63 Possible risk of harm to the unborn child.

R 66 Repeated exposure may cause skin dryness or cracking.

R 67 Vapours may cause drowsiness and dizziness.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Keep out of the reach of children

· **Classification system:**

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

3 Composition/information on ingredients

· **Chemical characterization**

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

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Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7	butane	 F+; R 12	10-30%
CAS: 67-64-1 EINECS: 200-662-2	acetone	 Xi,  F; R 11-36-66-67	10-30%
CAS: 78-93-3 EINECS: 201-159-0	butanone	 Xi,  F; R 11-36-66-67	10-30%
CAS: 74-98-6 EINECS: 200-827-9	propane	 F+; R 12	10-30%
CAS: 108-88-3 EINECS: 203-625-9	toluene	Repr. Cat. 3;  Xn,  Xi,  F; R 11-38-48/20-63-65-67	1-10%

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

4 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.

5 Fire-fighting measures**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

· **Special hazards caused by the substance, its products of combustion or resulting gases:**

Carbon monoxide and carbon dioxide

Formation of toxic gases is possible during heating or in case of fire.

Can form explosive gas-air mixtures.

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures**Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

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- Keep away from ignition sources.
Ensure adequate ventilation
Do not inhale gases / fumes / aerosols.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with the eyes and skin.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
 - **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Dispose contaminated material as waste according to item 13.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Open and handle receptacle with care.
Keep away from heat and direct sunlight.
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.
Avoid contact with the eyes and skin.
- **Information about fire - and explosion protection:**
Fumes can combine with air to form an explosive mixture.
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Anti-explosion protection required
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Keep container tightly sealed.
Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**

106-97-8 butane

WEL (Great Britain)	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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67-64-1 acetone	
WEL (Great Britain)	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
IOELV (EU)	Long-term value: 1210 mg/m ³ , 500 ppm
78-93-3 butanone	
WEL (Great Britain)	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk
IOELV (EU)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
108-88-3 toluene	
WEL (Great Britain)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk

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

· **Personal protective equipment:**

· **General protective and hygienic measures:**

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

· **Respiratory protection:**

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:**



Protective gloves

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

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

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

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

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

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

· **Material of gloves**

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

· **Penetration time of glove material**

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

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· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· General Information

Form: Aerosol
Colour: Different according to colouring
Odour: Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Not applicable, as aerosol.

· **Flash point:** Not applicable, as aerosol.· **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: 0.8 Vol %
Upper: 13 Vol %

· **Density at 20°C:** ~ 1.2 g/cm³

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· Dangerous reactions

Reacts with strong acids.
 Reacts with strong oxidizing agents.

· **Dangerous decomposition products:** Formation of toxic gases is possible during heating or in case of fire.

11 Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:

141-78-6 ethyl acetate

Oral	LD50	5620 mg/kg (rabbit)
Inhalative	LC50/4 h	1600 mg/l (rat)

108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
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Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	31 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:**
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
- **on the eye:** Irritating effect.
- **Additional toxicological information:**
Vapours may cause drowsiness and dizziness.
Danger through skin adsorption.
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Possible risk of harm to the unborn child.

12 Ecological information

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

108-88-3 toluene

EC 50/ 96h | 10 - 100 mg/l (daphnia)

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**

- **Recommendation**

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

- **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.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 2 5F Gases.

- **Danger code (Kemler):** -

- **UN-Number:** 1950

- **Packaging group:** -

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- **Hazard label:** 2.1
- **Description of goods:** 1950 AEROSOLS

· **Maritime transport IMDG:**

- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label:** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Proper shipping name:** AEROSOLS

· **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label:** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xn Harmful
F+ Extremely flammable

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

toluene

· **Risk phrases:**

- 12 Extremely flammable.
- 36 Irritating to eyes.
- 63 Possible risk of harm to the unborn child.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

The HSNO Approval Number for this Group Standard is HSR002515.

· **Safety phrases:**

- 2 Keep out of the reach of children.
- 23 Do not breathe fumes/aerosol.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 36/37 Wear suitable protective clothing and gloves.
- 38 In case of insufficient ventilation, wear suitable respiratory equipment.

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46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Keep out of the reach of children

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

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 R-phrases**

11 Highly flammable.

12 Extremely flammable.

36 Irritating to eyes.

38 Irritating to skin.

48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

63 Possible risk of harm to the unborn child.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** Abteilung Labor

· **Contact:** Frau S. Schaller

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