

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

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

- **1.1 Product identifier**
 - **Trade name:** CARSYSTEM HAND CLEAN
 - **1.2 Relevant identified uses of the substance or mixture and uses advised against** Not determined
 - **Application of the substance / the mixture** Hand cleaning agent
 - **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:**
Gif tinformationszentrum (GIZ)-Nord, Goettingen, Deutschland
Phone: +49 (0)551 19240
-

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
Contains (R)-p-mentha-1,8-diene, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

(Contd. on page 2)

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

Trade name: CARSYSTEM HAND CLEAN

(Contd. of page 1)

- **Regulation (EC) No 648/2004 on detergents**
aliphatic hydrocarbons, nonionic surfactants, anionic surfactants: 5 - 15%
Colorant, preservative, (R)-p-Mentha-1,8-diene: < 5%
- **Regulation (EC) No 1223/2009 on cosmetic products** Hand cleaning agent

-
- **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Cosmetic Active Agent

· **Dangerous components:**

| | | |
|-------------------|------------------------|------|
| CAS: 5989-27-5 | (R)-p-mentha-1,8-diene | < 1% |
| EINECS: 227-813-5 | | |

- **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:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **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**
- **Suitable extinguishing agents:**
Water
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**
Dilute with plenty of water.

(Contd. on page 3)

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

Trade name: CARSYSTEM HAND CLEAN

(Contd. of page 2)

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

No dangerous substances are released.

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 *No special precautions are necessary if used correctly.*

· Information about fire - and explosion protection: *The product is not flammable.*

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles: *No special requirements.*

· Information about storage in one common storage facility: *Not required.*

· Further information about storage conditions: *Protect from frost.*

· 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 *Not determined*

· PNECs *Not determined*

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

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

· Respiratory protection: *Not required.*

· Protection of hands: *Not required.*

· Material of gloves -

· Penetration time of glove material -

· Eye protection: *Goggles recommended during refilling*

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Viscous

Colour: White

(Contd. on page 4)

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

Trade name: CARSYSTEM HAND CLEAN

(Contd. of page 3)

| | |
|---|---|
| · Odour: | Fruit-like |
| · Odour threshold: | Not determined. |
| · pH-value at 20 °C: | 7 |
| · Change in condition | |
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 100 °C |
| · Flash point: | > 70 °C |
| · Ignition temperature: | >27 °C |
| · Self-igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Explosion limits: | |
| Lower: | 0.6 Vol % |
| Upper: | 7.0 Vol % |
| · Vapour pressure at 20 °C: | 23 hPa |
| · Density at 20 °C: | 0.95 g/cm ³ |
| · Solubility in / Miscibility with water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | 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 and stored according to specifications.
- **10.2 Chemical stability** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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:**

64742-48-9 Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics

| | | |
|------------|------------|------------------------------|
| Oral | LD 50 | >5000 mg/kg (rat) (OESO 401) |
| Dermal | LD 50 | >5000 mg/kg (rab) |
| Inhalative | LC 50 / 4h | >4951 mg/l (rat) (OESO 403) |

(Contd. on page 5)

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

Trade name: CARSYSTEM HAND CLEAN

(Contd. of page 4)

69011-36-5 Isotridecanol, ethoxylated (> 5-20 EO)

| | | |
|--------|------|-----------------------|
| Oral | LD50 | >300-2000 mg/kg (rat) |
| Dermal | LD50 | >2000 mg/kg (rabbit) |

5989-27-5 (R)-p-mentha-1,8-diene

| | | |
|--------|------|----------------------|
| Oral | LD50 | 4400 mg/kg (rat) |
| Dermal | LD50 | >5000 mg/kg (rabbit) |

55965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hiothiazol-3-one [EC no. 220-239-6] (3:1)

| | | |
|--------|------|--------------------|
| Oral | LD50 | 457 mg/kg (rat) |
| Dermal | LD50 | 660 mg/kg (rabbit) |

- **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.
- **Sensitisation** Sensitising effect by skin contact is possible by prolonged exposure.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **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** Based on available data, the classification criteria are not met.
- **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

· **12.1 Toxicity**

· **Aquatic toxicity:**

64742-48-9 Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics

| | |
|----------|----------------------|
| EL50/48h | 22-46 mg/l (daphnia) |
| LC50/96h | > 100 mg/l (fish) |

69011-36-5 Isotridecanol, ethoxylated (> 5-20 EO)

| | |
|----------|-------------------------------------|
| EC50/48h | 1-10 mg/l (daphnia) |
| EC50/72h | 1-10 mg/l (scenedesmus subspicatus) |
| LC50/96h | 1-10 mg/l (fish) |

68603-42-9 nonionic surfactants

| | |
|----------|---|
| EC50/96h | >1-10 mg/l (algae) (OECD 201) |
| | >1.000 mg/l (bacteria) (OECD 209) |
| | >1-10 mg/l (daphnia) (OECD 202) |
| LC50/96h | >1-10 mg/l (fish) (ISO 7346/2, OECD 2-03) |

5989-27-5 (R)-p-mentha-1,8-diene

| | |
|----------|--------------------------------------|
| EC50/48h | 0.36 mg/l (daphnia magna) (OECD 202) |
| EC50/72h | 150 mg/l (scenedesmus subspicatus) |
| LC50/96h | 0.72 mg/l (fish) (OECD 203) |

(Contd. on page 6)

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

Trade name: CARSYSTEM HAND CLEAN

(Contd. of page 5)

55965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1)

| | |
|----------|--|
| M Factor | 10 (acute) |
| EC50/48h | 0.16 mg/l (daphnia magna) |
| EC50/72h | 0.027 mg/l (Selenastrum capricornutum) |
| LC50/96h | 0.28 mg/l (Lepomis macrochirus) 0.19 mg/l (oncorhynchus mykiss) |

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential**

5989-27-5 (R)-p-mentha-1,8-diene

| | |
|---------|------|
| log Pow | 4.38 |
|---------|------|

55965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1)

| | |
|---------|-------|
| log Pow | 0.401 |
|---------|-------|

· **Behaviour in environmental systems:**

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Do not allow product to reach ground water, water course or sewage system.

· **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** Smaller quantities can be disposed of with household waste.

· **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.

· **Uncleaned packaging:**

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

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

(Contd. on page 7)

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

Trade name: CARSYSTEM HAND CLEAN

(Contd. of page 6)

| | |
|--|--|
| · 14.4 Packing group · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |

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.
- National regulations:
- 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.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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. 3: Flammable liquids – Category 3

(Contd. on page 8)

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

Printing date 01.07.2016

V - 2

Revision: 01.07.2016

Trade name: CARSYSTEM HAND CLEAN*Skin Irrit. 2: Skin corrosion/irritation – Category 2**Skin Sens. 1: Skin sensitisation – 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 1**· * Data compared to the previous version altered.*

(Contd. of page 7)

GB