

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version 1.0 GB / EN Revision Date: 29.08.2019 Date of last issue: -
Date of first issue: 29.08.2019

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

1.1 Product identifier

Trade name : Carsystem Refinish Restorer

Product code : 151.071

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-
stance/Mixture : Care product

1.3 Details of the supplier of the safety data sheet

Company : Vosschemie GmbH
Esinger Steinweg 50
25436 Uetersen
Germany

info@vosschemie.de

Telephone : 04122 717 0
Telefax : 04122 717158

Responsible Department : Laboratory

04122 717 0
sds@vosschemie.de

Distributor in New Zealand:

Pacer Car Clean Products NZ Ltd
33 Ha Cresc, Wiri, Auckland 2104 New
Zealand
Phone: +64 9 25000 91
Fax: +64 9 25000 92
Web: www.pacer.co.nz

24hr Emergency Assistance in New Zealand

National Poison Control Centre:
0800 POISON [764 766]

1.4 Emergency telephone number

Telephone : Giftinformationszentrum (GIZ)-Nord,
Göttingen, Deutschland
0551 19240

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version 1.0 GB / EN Revision Date: 29.08.2019 Date of last issue: -
Date of first issue: 29.08.2019

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Specific target organ toxicity - repeated exposure, Category 1	H372: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.
H372 Causes damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

Prevention:

P260 Do not breathe mist or vapours.
P273 Avoid release to the environment.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version 1.0 GB / EN Revision Date: 29.08.2019 Date of last issue: -
Date of first issue: 29.08.2019

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Not Assigned 919-164-8	STOT RE 1; H372 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 50 - < 70

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : First aider needs to protect himself.
Remove from exposure, lie down.
Take off all contaminated clothing immediately.
Symptoms of poisoning may appear several hours later.
- If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.
Call a physician if irritation develops or persists.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Risk of product entering the lungs on vomiting after ingestion.

May be fatal if swallowed and enters airways.
Causes damage to organs through prolonged or repeated

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version	Revision Date:	Date of last issue: -
1.0 GB / EN	29.08.2019	Date of first issue: 29.08.2019

exposure.
Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray jet
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Vapours may form explosive mixtures with air.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

Further information : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapour or mist.
Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Do not allow contact with soil, surface or ground water.
If the product contaminates rivers and lakes or drains inform respective authorities.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version	Revision Date:	Date of last issue: -
1.0 GB / EN	29.08.2019	Date of first issue: 29.08.2019

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Risk of self-combustion from drying oils on used towels/rags.
Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Local/Total ventilation : Ensure adequate ventilation.

Advice on safe handling : Do not breathe vapours or spray mist.
Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : Vapours may form explosive mixture with air.
Take measures to prevent the build up of electrostatic charge.
Use explosion-proof equipment.
No sparking tools should be used.
Keep away from open flames, hot surfaces and sources of ignition.
Vapours are heavier than air and may spread along floors.
Will ignite if exposed to intensive heat or open air.

Hygiene measures : Take off all contaminated clothing immediately.
Wash contaminated clothing before re-use.
Avoid contact with the skin and the eyes.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.
Keep in a dry, cool and well-ventilated place.
Keep away from heat and sources of ignition.
Keep away from direct sunlight.

Further information on storage conditions : Storage must be in accordance with the BetrSichV (Germany).

Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Oxidizing agents

7.3 Specific end use(s)

Specific use(s) : No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version	Revision Date:	Date of last issue: -
1.0 GB / EN	29.08.2019	Date of first issue: 29.08.2019

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Material : Fluorinated rubber

Break through time : 480 min

Glove thickness : 0.3 mm

Directive : DIN EN 374

Protective index : Class 6

Material : PVA

Break through time : 480 min

Glove thickness : 0.3 mm

Directive : DIN EN 374

Protective index : Class 6

Material : Nitrile rubber

Break through time : > 480 min

Glove thickness : >= 0.4 mm

Directive : DIN EN 374

Protective index : Class 6

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
The exact break through time can be obtained from the protective glove producer and this has to be observed.
Preventive skin protection
Gloves must be inspected prior to use.
Follow the instructions for use issued by the producer.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version	Revision Date:	Date of last issue: -
1.0	29.08.2019	Date of first issue: 29.08.2019

-
- Skin and body protection : Work uniform or laboratory coat.
- Respiratory protection : Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Filter type : Type A (A)
- Protective measures : Avoid contact with the skin and the eyes.
Follow the skin protection plan.
Wear suitable protective equipment.

Environmental exposure controls

- Soil : The product should not be allowed to enter drains, water courses or the soil.
- Water : Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : light brown
- Odour : solvent-like
- pH : not determined
- Melting point/freezing point : not determined
- Boiling point/boiling range : > 100 °C
- Flash point : > 61 °C
- Vapour pressure : No data available
- Density : ca. 0.9 g/cm³ (20 °C)
- Solubility(ies)
Water solubility : immiscible
- Partition coefficient: n-octanol/water : No data available
- Viscosity
Viscosity, dynamic : not determined

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version	Revision Date:	Date of last issue: -
1.0 GB / EN	29.08.2019	Date of first issue: 29.08.2019

Viscosity, kinematic : < 20.5 mm²/s (40 °C)

Explosive properties : Not explosive
In use, may form flammable/explosive vapour-air mixture.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if used as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Risk of self-combustion from drying oils on used towels/rags.
Vapours may form explosive mixture with air.
Reaction with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.
Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Acute oral toxicity : LD50 (Rat): > 15,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LD50 (Rat): 8.2 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): ca. 3,400 mg/kg

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version 1.0 GB / EN Revision Date: 29.08.2019 Date of last issue: -
Date of first issue: 29.08.2019

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Result : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Result : No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Result : Not a skin sensitizer.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Exposure routes : Inhalation
Target Organs : Central nervous system
Assessment : Causes damage to organs through prolonged or repeated exposure.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version 1.0 GB / EN Revision Date: 29.08.2019 Date of last issue: -
Date of first issue: 29.08.2019

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 10 - 30 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EL50 (Daphnia magna (Water flea)): 10 - 22 mg/l
aquatic invertebrates : Exposure time: 48 h
Method: OECD Test Guideline 202

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):

Partition coefficient: n- : log Pow: 4.2 - 7.2
octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version	Revision Date:	Date of last issue: -
1.0 GB / EN	29.08.2019	Date of first issue: 29.08.2019

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Dispose of in conjunction with appropriate waste disposal authorities and in accordance with disposal regulations.

Contaminated packaging : If not otherwise specified: Dispose of as unused product. Dispose of in accordance with local regulations.

Waste Code : The following Waste Codes are only suggestions: 08 01 11, waste paint and varnish containing organic solvents or other hazardous substances

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

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 for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version 1.0	GB / EN	Revision Date: 29.08.2019	Date of last issue: - Date of first issue: 29.08.2019	<table border="1"><tr><td>New Zealand Class 6.9A Organ – Repeat Class 6.1E Aspiration Class 9.1C Aquatic HSR002530</td></tr></table>	New Zealand Class 6.9A Organ – Repeat Class 6.1E Aspiration Class 9.1C Aquatic HSR002530
New Zealand Class 6.9A Organ – Repeat Class 6.1E Aspiration Class 9.1C Aquatic HSR002530					
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer			: Not applicable		
Regulation (EC) No 850/2004 on persistent organic pollutants			: Not applicable		
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)			: Conditions of restriction for the following entries should be considered: Number on list 3		

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

SECTION 16: Other information

Full text of H-Statements

- H304 : May be fatal if swallowed and enters airways.
H372 : Causes damage to organs through prolonged or repeated exposure if inhaled.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

- Aquatic Chronic : Long-term (chronic) aquatic hazard
Asp. Tox. : Aspiration hazard
STOT RE : Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

VOSSCHEMIE

Carsystem Refinish Restorer

Version	Revision Date:	Date of last issue: -
1.0 GB / EN	29.08.2019	Date of first issue: 29.08.2019

to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

STOT RE 1	H372
Asp. Tox. 1	H304
Aquatic Chronic 3	H412

Classification procedure:

Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.