

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Version: 2

Revised at: 05.06.2009

PowerRoll Coolant System Cleaner H1

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

Identification of the substance or preparation

Trade name: PowerRoll Coolant System Cleaner H1
Water miscible special cleaner

Company/undertaking identification

Manufacturer/Supplier: Strub & Co. AG
Mühlemattstr. 5
CH – 6260 Reiden
Phone: ++41 62 785 22 22
Fax: ++41 62 785 22 33

Emergency Phone: Swiss Toxicological Information Centre, CH-8030 Zürich
Phone (Switzerland): 145, phone (international): (+41) 44 251 51 51

2. Hazards identification

Hazard designation:

This product does not require labelling. Please observe the safety information of this safety data sheet

3. Composition/information on ingredients

Chemical characterization of the ingredient:

Description: Mixture of esters, emulsifiers, polar additives
Hazard(ous) ingredient(s): None
Hazard(ous) impurity(ies): None

4. First-aid measures

General information: If symptoms persist, call a doctor
On inhalation: In case of irritation of the airways, seek medical advice. Provide with fresh air.
On contact with skin: Wash off subsequently with: Soap and water
On contact with the eyes: On contact with the eyes, rinse thoroughly with plenty of water and seek medical advice
If swallowed: Rinse mouth out thoroughly with water. Administer plenty of water in small sips (dilution effect)
Self-protection of first-aiders: Note precautions for self-protection of first-aiders

5. Fire-fighting measures

Suitable extinguishing media: Foam, Dry powder, Carbon dioxide, Water spray jet
Extinguishing media which must not be used for safety reasons: Full water jet
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:
Substances potentially set free in case of fire: Carbon monoxide, Carbon dioxide, nonburned Hydrocarbons
Traces of other toxic substances can not be excluded
Special protective equipment for fire fighting:
To use for fire fighting: Protective clothing, Rubber boots
Additional information: Contaminated fire fighting water must not be discharged into the drainage system

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6. Accidental release measures

Personal precautions:	Keep people away and stay on the upwind side. Use personal protective clothing
Environmental precautions:	Do not allow to enter drains/ surface waters/ groundwater
Methods for cleaning up / taking up:	Clean contaminated floors and objects thoroughly observing environmental regulations Suitable material for picking up: Organic absorbent material, Universal binder, Sawdust

7. Handling and Storage

Handling:	Avoid eye contact
Hints for protection against fire and explosion:	Product is poorly inflammable
Storage:	Do not store together with oxidizing agents Store only in original container in a cool place. Keep container tightly closed

8. Exposure limitation and personal protective equipment

Additional information on plant design: See section 7; no additional measures necessary

Constituents with occupational exposure limits requiring monitoring:

Water miscible Coolants MAK 10 mg/m³ Sum of vapour and aerosols

Personal protective equipment:

Hand protection: Gloves
Eye protection: Safety glasses with side shield

Generally health and safety measures: Soiled clothing must be changed and thoroughly cleaned
Preventive skin protection using barrier ointment
Before starting work, apply water-resistant skincare preparations

9. Physical and chemical Properties

Form Colour Odour	liquid yellow product specific	pH-value at 5g/l in water Flash point Decomposition temperature Solvent content	7 - 8 > 200°C > 350°C 0 %
Pourpoint Density at 20°C Viscosity at 40°C	< 0°C approx. 1.1 g/cm ³ n.d. mm ² /s		
Water solubility Fat solubility	emulsifiable unlimited		

10. Stability and Reactivity

No hazardous decomposition products if stored and handled as prescribed
No decomposition if used as prescribed

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11. Toxicological information

Toxicity tests: LD50 oral/rat > 2000 mg/kg
General remarks: No experimental indication of genotoxicity in vitro
No experimental indication of genotoxicity in vivo
No indications of carcinogenic effects are available from long-term trials
The information is derived from the properties of the individual components

12. Ecological information

Degradation potential: Part of the components are biodegradable
Further ecological information: Do not discharge product into the environment without control

13. Disposal considerations

Disposal / Waste (product): Disposal in accordance with 2001/118/EG, 2001/119/EG, 2001/573/EG

List of proposed waste codes/waste designations in accordance with EWC: LVA VeVA / EAK: Emulsion: 12 01 09
Concentrate: 12 01 07

Packages: Contaminated packages must be completely emptied and may be reused after proper cleaning

14. Transport information

Land transport (ADR/RID): No hazardous material as defined by the transport regulations
Inland waterway craft: No hazardous material as defined by the transport regulations
Marine transport (IMDG): No hazardous material as defined by the transport regulations
Air transport ICAO/IATA: No hazardous material as defined by the transport regulations

15. Regulatory information

Labelling

Hazard(ous) symbol(s) and indication(s) of danger for dangerous substances and preparations: None

R-phrases: ---

S-phrases: ---

Water hazard class (WGK): nwg (none water hazardous)

16. Other information

The information in this safety data sheet is provided in accordance with the national Chemicals regulations and the EC – Directives. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant laws are complied with. The information's contained in this sheet are based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environment aspects and should not be construed as any guarantee of technical performance or suitability for particular application.