

SAFETY DATA SHEET

Safety Data Sheet according to European Law

Product name: Engine-Cleaner Viskos
Product code: 1227

Date: 01-09-1998

1. COMPANY AND PRODUCT IDENTIFICATION

Product brandname: **Engine-Cleaner Viskos**
Product code: **1227**
Manufacturer and supplier: **CARTEC B.V.**
Address: **Verbreepark 13**
2731 BR Benthuisen
The Netherlands
Phone: **(+31) (0)79-3410100**
Phone in case of emergency: **(+31) (0)79-3410100**

2. COMPOSITION AND INFORMATION REGARDING INGREDIENTS

Product description: Cleaning products, contains among others hydrocarbon and emulsion connective materials.

<u>Chemical family</u>	<u>%</u>	<u>CAS-no.</u>	<u>Danger-symbol</u>	<u>R-phrases</u>
Mix of hydrocarbon	> 50	8008-20-6	F	11, 20/21/22
Surfactant	2-5		Xn	22, 38, 41
Emusifier	5-20		Xi	38, 41

3. HAZARDS IDENTIFICATION

People health hazards: Read section 11
Safety hazards: Read section 10
Environment hazards: Read section 12

4. FIRST AID MEASURES

Inhalation: Put into fresh air and seek medical advice.
Skin contact: Put off polluted clothes. Rinse off with lots of water.
Eye contact: Rinse off with water thoroughly. Seek medical advice if irritation remains.
Swallowing: Rinse mouth with water. Do not induce vomiting, seek medical advice immediately.
Medical advice: Give neutralizing remedies.

5. FIRE-FIGHTING MEASURES

Special statements: Dangerous burning products: carbon monoxide, nitrogen oxides, sulphuric oxides.
Fire-fighting means: Foam, fire-powder, water-spray.
Protective measures: Full equipment.
Unsuitable materials: Do not use water-spout.
General information: Take care of other cans containing this product staying cold.

6. ACCIDENTAL RELEASE MEASURES

Personal preventive measures: Prevent contact. Remove all possible ignition-sources.
Personal protection: Take off polluted clothes.
Environment-friendly preventive measures: Protect product from reaching sewage, wells and watercourses.
Clear and cleaning measures: Take up with the use of absorbing materials (towels, sand, etc.) and dispose in accordance with regulations.

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7. HANDLING AND STORAGE

Handling: Do not eat, drink or smoke while using. Use only in well ventilated rooms. Take care of machines being disposed.
Storage: Store the product in original packaging. Keep out of reach of children.
Storage temperature: As usual.
Suggested materials: Carbon steel, stainless steel.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Preventive regulations: Use only in well-ventilated places.
Exposure limit: Not applicable
MAC-Value (mg/m³): 525
Protection of breathing: Nothing special.
Protection of the hands: Gloves suggested.
Protection of the eyes: Safety spectacle suggested.
Protection of skin: protective clothes and safety boots/shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Colour: Kind of yellow
Smell: Characteristic
Boiling-point: 105°C
Vapour pressure: 40°C 0,1 Kpa
Density: 15°C 790 kg/m³
Viscosity: 40°C 1 tot 2 mm²/s
Flammable point: > 38°C
PH-value: Not applicable
Explosion danger (highest): 6 %
Explosion danger (lowest): 1 %
Auto-ignition temperature: 220°C
Solubility (water): Not applicable
Solubility (others): Not applicable
Others: Product can result in an inflammable emulsion while using.

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous materials/circumstances: Heating, sparkles, flames
Hazardous decomposition products: Strongly oxidizing materials
Unsuitable materials: Unknown

11. TOXICOLOGICAL INFORMATION

Basis judgement: Not applicable
Acute poisoning-oral: LD-50 5000 mg/kg
Acute poisoning dermal: LD-50 5000 mg/kg
Acute poisoning breathing: LC-50 5 mg/L
Eye-irritation: May cause slight irritation

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12. ECOLOGICAL INFORMATION

Ecological data: Nothing special, product floats on water.
Degradability: Not easily degradable.
Special information: Hardly solvable. Little bit poisoning: 10< LC / EC50 or =100 mg/L for water-based organics.

13. DISPOSAL CONSIDERATIONS

Disposal should be according to national rules and not in sewage, wells and watercourses

14. TRANSPORT INFORMATION

Classified as dangerous for transport

UN number: 1223
EMS no. Marine Pollutant MFAG no.
Sea (IMDG): -- -- --
ICAO/IATA class
Air: -- -- --
ADR/RID
Road: 3.31C
ADR/RID transport-name: Biting acids, inorganic materials.

15. REGULATORY INFORMATION

EEC classification: Flammable
EEC number: --
Risk-phrases: 11, 20/21/22
Safety-phrases: 20/21, 23, 24/25, 37/39

16. OTHER INFORMATION

History SDS: First edition.
Revision summary SDS: Not applicable

This Safety Data Sheet provides health and environmental information regarding the product mentioned above. These data do not provide technical information regarding our product. The information was provided to the best of CARTEC's knowledge and are believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information as for his own particular use.