



Windscreen Antifreeze - 25°C

Print date: 01.06.2010

Product code: 311

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

Identification of the substance or preparation

Windscreen Antifreeze - 25°C

Company/undertaking identification

Company name : CTP-GmbH
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Further Information

Article Number: 11260, 11261, 11262, 11263, 11264, 11265, 11266

2. Hazards identification

Classification

This preparation is not classified as dangerous according to Directive 1999/45/EC.
No risks worthy of mention. Please observe the information on the safety data sheet at all times.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
203-473-3	107-21-1	ethanediol, ethylene glycol	5 - 10 %	Xn R22

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Move victim out of danger zone and lay down.
Following inhalation: Move victim to fresh air. Consult physician.
Immediately remove any wetted clothing, shoes or stockings.

After inhalation

If victim is at risk of losing consciousness, position and transport on their side.
Following inhalation: Move victim to fresh air. Consult physician.

After contact with skin

After contact with skin, wash immediately with plenty of Water and soap.
In case of skin irritation, seek medical treatment.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
Consult an ophthalmologist.

After ingestion

Do not induce vomiting.
Let water be swallowed in little sips (dilution effect).
Put victim at rest, cover with a blanket and keep warm. Consult physician.

5. Fire-fighting measures



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Suitable extinguishing media

Carbon dioxide (CO₂). Extinguishing powder. Water fog.
alcohol resistant foam.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Concentrated vapors are heavier than air. Vapours may form explosive mixtures with air.
Reignition possible at long range.
Releases: Carbon dioxide (CO₂). Carbon monoxide (CO).

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.
Full protective suit.

Additional information

Contaminated fire-fighting water must be collected separately.
Contaminated fire-fighting water must not get into the sewerage network.

6. Accidental release measures

Personal precautions

Wear personal protection equipment.
Keep away from unprotected people. Keep upwind.
Provide adequate ventilation.
Remove all sources of ignition.
Avoid contact with skin and eyes.
Do not breathe gas/fumes/vapour/spray.

Environmental precautions

Do not empty into drains or the aquatic environment.
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Provide adequate ventilation.
Treat the assimilated material according to the section on waste disposal.

7. Handling and storage

Handling

Advice on safe handling

Keep container tightly closed and in a well-ventilated place.
Provide a suction section for room air on ground-level.

Advice on protection against fire and explosion

Use explosion-protected machinery, apparatus, suction equipment, appliances etc.
Only use anti-static equipped (spark-free) tools.
Concentrated vapors are heavier than air. Vapours may form explosive mixtures with air.
Keep away from sources of ignition. No smoking.
Take precautionary measures against static discharges.

Storage

Requirements for storage rooms and vessels

The floor should be leak tight, jointless and not absorbent.

Advice on storage compatibility

Should be stored separately from oxidizing agents.
Do not store together with highly flammable solids.



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Further information on storage conditions

Keep container tightly closed in a cool and dry place.
Keep container tightly closed and in a well-ventilated place.
Keep in a cool place, heating causes rise in pressure with risk of bursting.

Storageclass (VCI) : 3 A

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Take off immediately all contaminated clothing
Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin and eyes.
Keep away from food, drink and animal feeding stuffs.
When using do not eat, drink or smoke.
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

Respiratory protection

Respiratory protection required in case of: Insufficient ventilation.

Hand protection

Before starting work, apply solvent-cleaner-proof skin protection products.
In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection

Tightly sealed safety glasses.

Skin protection

Wear suitable protective clothing.

9. Physical and chemical properties

General information

Physical state : liquid
Colour : blue
Odour : lemon.

Important health, safety and environmental information

pH-Value (at 20 °C) : 7,8 Test method
Changes in the physical state
Melting point : - 25 °C
Boiling point : 90 - 99 °C
Flash point : 67 °C

Explosive properties



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not Explosive.

In use, may form flammable/explosive vapour-air mixture.

Density (at 20 °C) :

0,93 - 0,97 g/cm³

Solubility in other solvents :

Solubility in water: (g/l) complete miscible

Other information

Ignition temperature :

180 °C

10. Stability and reactivity

Materials to avoid

Oxidizing agents, strong.
acid, concentrated.

Hazardous decomposition products

No decomposition by proper handling and storage.
Hazardous decomposition products:
In case of fire may form: Carbon dioxide. Carbon monoxide.

11. Toxicological information

Acute toxicity

LD50: LC50:
ethane diol
oral LD50 4000 mg/Kg(rat)
dermal LD50 > 2000 mg/Kg (rabbit)

Ethanol.
oral LD50 7060 mg/Kg (rat)
inhalativ LC50 38000 mg/l/4h (rab)

Corrosive and irritant effects

Irritant effect on the skin:
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Irritant effect on the eye: irritant.

Sensitising effects

no danger of sensitization.

Additional information on tests

Additional information:
Because of its solubility in water and fats, ethanol, depending on concentration, can have a toxic effect to whole organism.

12. Ecological information

Ecotoxicity

No data

Persistence and degradability

Good biological eliminationability.

Further information

Do not empty into drains or the aquatic environment.

13. Disposal considerations



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Advice on disposal

Do not dispose with household waste. Do not empty into drains or the aquatic environment.
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Arrange about the exact waste code with the local waste disposal expert.

Contaminated packaging

Container must be completely emptied.
Do not pierce, cut up or weld unclean container.
Residues can constitute potential danger.
Dispose of this container at recycle or recondition waste collection points.
Packing which cannot be properly cleaned must be thrown away.

Cleaning agent.
Water (with cleaning agent).

14. Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not a hazardous material with respect to these transportation regulations.

Inland waterways transport

Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation regulations.

Marine transport

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

Labelling

S phrases

02 Keep out of the reach of children.

Additional advice on labelling

Contains:
< 5 % nonionic surfactants

EU regulatory information

Additional information

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

National regulatory information

Water contaminating class (D) : - - not water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

22 Harmful if swallowed.



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

wash max



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Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)