

Pump & Clean Windscreen Cleaner Concentrate 1 : 100

Revision date: 18.08.2016

Product code: 1332

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cleaning agent.

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|---------------------------|--------------------------------|
| Company name: | CTP GmbH | |
| Street: | Saalfelder Strasse 35h | |
| Place: | D-07338 Leutenberg | |
| Telephone: | +49 (0)36734 230-0 | Telefax: +49 (0)36734 230-22 |
| e-mail: | msds@bluechemgroup.com | |
| Contact person: | Jens Moeller, Dipl.-Chem. | Telephone: +49 (0)36734 230-19 |
| Internet: | www.bluechemgroup.com | |

1.4. Emergency telephone number:

For Germany: +49-361-730730 (24 hours/7 days)

Further Information

Article Number: 21280, 21283, 11280, 11281, 11282

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye damage.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

benzene sulfonic acid, mono-C10-13-alcyl derivative, Na-salt

lauryl alcohol, ethoxylised

Signal word: Danger**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves and eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if



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according to Regulation (EC) No 1907/2006

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P310 present and easy to do. Continue rinsing.
P501 Immediately call a POISON CENTER/doctor.
Dispose of this material and its container to hazardous or special waste collection point.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Alcohol.
Surfactants.
Solvents.

Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|---|----------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 64-17-5 | ethanol, ethyl alcohol | | | 50 - < 55 % |
| | 200-578-6 | | 01-2119457610-43 | |
| | Flam. Liq. 2, Eye Irrit. 2; H225 H319 | | | |
| 107-21-1 | ethanediol, ethylene glycol | | | 5 - < 10 % |
| | 203-473-3 | | 01-2119456816-28 | |
| | Acute Tox. 4, STOT RE 2; H302 H373 | | | |
| 90194-45-9 | benzene sulfonic acid, mono-C10-13-alcyl derivative, Na-salt | | | 5 - < 10 % |
| | 290-656-6 | | | |
| | Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412 | | | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | 1 - < 5 % |
| | 200-661-7 | | 01-2119457558-25 | |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 | | | |
| 9002-92-0 | lauryl alcohol, ethoxylised | | | 1 - < 5 % |
| | | | | |
| | Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 2; H302 H318 H411 | | | |
| 5949-29-1 | citric acid | | | 1 - < 5 % |
| | 201-069-1 | | 01-2119457026-42 | |
| | Eye Irrit. 2; H319 | | | |
| 111-76-2 | 2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether | | | 1 - < 5 % |
| | 203-905-0 | | 01-2119475108-36 | |
| | Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H312 H332 H315 H319 | | | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down.
Following inhalation: Move victim to fresh air. Consult physician.
Immediately remove any wetted clothing, shoes or stockings.

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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 drunk in little sips (dilution effect).

Put victim at rest, cover with a blanket and keep warm. Consult physician.

4.2. Most important symptoms and effects, both acute and delayed

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

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

5.2. Special hazards arising from the substance or mixture

Concentrated vapors are heavier than air. Vapours may form explosive mixtures with air.

Reignition possible over considerable distance.

Release of: Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

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.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Provide adequate ventilation.

Treat the recovered material as prescribed in the section on waste disposal.

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6.4. Reference to other sections

No data

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed and in a well-ventilated place.
Provide room air exhaust at ground level.

Advice on protection against fire and explosion

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
Use only antistatically 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.

7.2. Conditions for safe storage, including any incompatibilities

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.

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.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|-------------------------|------|-------------------|-----------|---------------|--------|
| 111-76-2 | 2-Butoxyethanol | 25 | 123 | | TWA (8 h) | WEL |
| | | 50 | 246 | | STEL (15 min) | WEL |
| 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 |
| 67-63-0 | Propan-2-ol | 400 | 999 | | TWA (8 h) | WEL |
| | | 500 | 1250 | | STEL (15 min) | WEL |

Biological Monitoring Guidance Values (EH40)

| CAS No | Substance | Parameter | Value | Test material | Sampling time |
|----------|-----------------|-------------------|-----------------|---------------|---------------|
| 111-76-2 | 2-Butoxyethanol | butoxyacetic acid | 240 mmol/mol | urine | Post shift |

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8.2. 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 feedingstuffs.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Before starting work, apply solvent-resistant skincare preparations.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Respiratory protection necessary at: Insufficient ventilation.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|-----------------|---------------|
| Physical state: | liquid |
| Colour: | yellow/orange |
| Odour: | alcoholic |

Test method

| | |
|----------------------|-----------|
| pH-Value (at 20 °C): | 3,8 - 4,0 |
|----------------------|-----------|

Changes in the physical state

| | |
|--|----------------|
| Initial boiling point and boiling range: | not determined |
|--|----------------|

| | |
|--------------|-------|
| Flash point: | 20 °C |
|--------------|-------|

Explosive properties

not Explosive.
In use, may form flammable/explosive vapour-air mixture.

| | |
|---------------------|-------------------------------|
| Density (at 20 °C): | 0,89 - 0,90 g/cm ³ |
|---------------------|-------------------------------|

Solubility in other solvents

Solubility in water: (g/l) complete miscible

9.2. Other information

No data

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

No decomposition when used as intended.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

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10.5. Incompatible materials

Oxidizing agents, strong.
acid, concentrated.

10.6. Hazardous decomposition products

Hazardous decomposition products:
In case of fire may be liberated: Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| CAS No | Chemical name | | | | |
|-----------|--|------|-------------|---------|--------|
| | Exposure route | Dose | | Species | Source |
| 64-17-5 | ethanol, ethyl alcohol | | | | |
| | oral | LD50 | 6200 mg/kg | Rat | IUCLID |
| | inhalative (4 h) vapour | LC50 | 95,6 mg/l | Rat | RTECS |
| 107-21-1 | ethanediol, ethylene glycol | | | | |
| | oral | LD50 | 4700 mg/kg | Rat | GESTIS |
| | dermal | LD50 | 10600 mg/kg | Rabbit | GESTIS |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | oral | LD50 | 5280 mg/kg | Rat | |
| | dermal | LD50 | 12800 mg/kg | Rabbit | |
| | inhalative (4 h) vapour | LC50 | 47,5 mg/l | Rat | |
| 9002-92-0 | lauryl alcohol, ethoxylised | | | | |
| | oral | ATE | 500 mg/kg | | |
| 5949-29-1 | citric acid | | | | |
| | oral | LD50 | 5400 mg/kg | mouse. | |
| | dermal | LD50 | >2000 mg/kg | Rat | |
| 111-76-2 | 2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether | | | | |
| | oral | ATE | 500 mg/kg | | |
| | dermal | ATE | 1100 mg/kg | | |
| | inhalative vapour | ATE | 11 mg/l | | |
| | inhalative aerosol | ATE | 1,5 mg/l | | |

Irritation and corrosivity

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.

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SECTION 12: Ecological information

12.1. Toxicity

| CAS No | Chemical name | | | | |
|-----------|---|--------------|--------------|---------|-------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source |
| 64-17-5 | ethanol, ethyl alcohol | | | | |
| | Acute crustacea toxicity | EC50 mg/l | 9268 - 14221 | 48 h | Daphnia magna |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | Acute fish toxicity | LC50 | 9640 mg/l | 96 h | Pimephales promelas |
| | Acute algae toxicity | ErC50 | 1000 mg/l | 72 h | Algae |
| | Acute crustacea toxicity | EC50 | 13299 mg/l | 48 h | Daphnia magna |
| 5949-29-1 | citric acid | | | | |
| | Acute fish toxicity | LC50 | 440 mg/l | 96 h | Leuciscus idus |
| | Acute algae toxicity | ErC50 | 425 mg/l | 96 h | Scenedesmus subspicatus |
| | Acute crustacea toxicity | EC50 | 1535 mg/l | 48 h | Daphnia magna |

12.2. Persistence and degradability

Good biological eliminationability.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|-----------------------------|---------|
| 64-17-5 | ethanol, ethyl alcohol | -0,31 |
| 107-21-1 | ethanediol, ethylene glycol | -1,36 |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not dispose with household waste. Do not allow to enter into surface water or drains.

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.

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Cleaning agent.
Water (with cleaning agent).

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1170
14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 144 601
Limited quantity: 1 L
Excepted quantity: E2
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 1170
14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 144 601
Limited quantity: 1 L
Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 1170
14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Marine pollutant: -
Special Provisions: 144
Limited quantity: 1 L
Excepted quantity: E2
EmS: F-E, S-D

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Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1170
14.2. UN proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3



Special Provisions: A3 A58 A180
Limited quantity Passenger: 1 L
Passenger LQ: Y341
Excepted quantity: E2
IATA-packing instructions - Passenger: 353
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 364
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Contains:
5 - 15 % anionic surfactants
5 - 15 % nonionic tensides

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.



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H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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.)