

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Kristallklar Windshield Washerfluid 250 ml

Print date: 08.03.2016

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

1.1. Product identifier

Kristallklar Windshield Washerfluid 250 ml

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

Use of the substance/mixture

Safety cleaner for windscreen washer units

1.3. Details of the supplier of the safety data sheet

Company name:	nextzett GmbH	
Street:	An der Höhe 15	
Place:	D-51674 Wiehl-Marienhagen	
Telephone:	+49 2261 6095433	Telefax: +49 2261 6095429
e-mail:	matthias.gregorzewski@nextzett.de	
Contact person:	Mr. Gregorzewski	
Internet:	www.nextzett.de	
Responsible Department:	Mr. Gregorzewski	

1.4. Emergency telephone number:

+49 171 9939555

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xi - Irritant

R phrases:

Irritating to skin.

Risk of serious damage to eyes.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

2.2. Label elements

Hazard components for labelling

Sulfonic acids, C13-17-sec-alkane, sodium salts

Docusate sodium

Signal word: Danger

Pictograms: GHS05

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Hazard statements

- H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

- P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special labelling of certain mixtures

- EUH208 Contains (R)-p-mentha-1,8-diene, d-limonene, 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. Other hazards

High slip hazard because of leaking or spilled product.
The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Preparation on the basis of anionic surfactants, alcohol, glycol, colourants and scent extracts

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Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
288-330-3	Sulfonic acids, C13-17-sec-alkane, sodium salts	
85711-69-9	Xi - Irritant R38-41	10 - < 15 %
	Skin Irrit. 2, Eye Dam. 1; H315 H318	
500-223-8	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	5 - < 10 %
68585-34-2	Xi - Irritant R36/38	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	5 - < 10 %
200-578-6	ethanol, ethyl alcohol	
64-17-5	F - Highly flammable R11	
603-002-00-5	Flam. Liq. 2; H225	
203-539-1	1-methoxy-2-propanol; monopropylene glycol methyl ether	1 - < 5 %
107-98-2	R10-67	
603-064-00-3	Flam. Liq. 3, STOT SE 3; H226 H336	1 - < 5 %
249-949-4	1-(1-methyl-2-propoxyethoxy)propan-2-ol	
29911-27-1	Xi - Irritant R36	
	Eye Irrit. 2; H319	
209-406-4	Docusate sodium	1 - < 5 %
577-11-7	Xi - Irritant R10-38-41	
	Flam. Liq. 1, Skin Irrit. 2, Eye Dam. 1; H224 H315 H318	< 1 %
227-813-5	(R)-p-mentha-1,8-diene, d-limonene	
5989-27-5	Xi - Irritant, N - Dangerous for the environment R10-38-43-50-53	
601-029-00-7	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H226 H315 H317 H400 H410	
220-120-9	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	< 0.1 %
2634-33-5	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R22-38-41-43-50	
613-088-00-6	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400	< 0.1 %
220-239-6	2-methyl-2H-isothiazol-3-one	
2682-20-4	T - Toxic, C - Corrosive, Xn - Harmful, N - Dangerous for the environment R22-23-34-43-50	
	Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10); H331 H302 H314 H317 H400	

Full text of R, H and EUH phrases: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

15 % - 30 % anionic surfactants, perfumes, preservation agents (Methylisothiazolinone).

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Further Information

contains: BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, CITRONELLOL, LIMONENE, GERANIOL, CITRAL

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If victim is at risk of losing consciousness, position and transport on their side. Self-protection of the first aider

Move victim out of danger zone. Remove contaminated, saturated clothing immediately.

After inhalation

In case of inhaling spray mist, consult a doctor immediately and show him packing or label. In case of breathing difficulties administer oxygen.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

The following symptoms may occur: Allergic reactions.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

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

Additional information

Fire remains and contaminated fire-fighting water must be disposed according to the local official rules.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from unprotected people. Keep upwind. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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6.3. Methods and material for containment and cleaning up

Suitable material for taking up: diatomaceous earth. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

The following must be prevented: skin contact. Eye contact.

Further information on handling

Use only in well-ventilated areas.

When diluting, always get the water first and then add the product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep container tightly closed.

In the closed original reservoir and with warehouse temperatures up to 25 °C the product at least 12 months is durable.

7.3. Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls



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Appropriate engineering controls

Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke.

Eye/face protection

Tightly sealed safety glasses. gemäß DIN EN 166

Hand protection

Tested protective gloves are to be worn: nach DIN EN 374

Suitable material:

CR (polychloroprenes, Chloroprene rubber):

Thickness of glove material: 0,75 mm; penetration time (maximum wearing period): 480 min.

NBR (Nitrile rubber):

Thickness of glove material: 0,55 mm; penetration time (maximum wearing period): 480 min.

NR (Natural rubber (Caoutchouc), Natural latex):

Thickness of glove material: 1,0 mm; penetration time (maximum wearing period): 30 min.

Additional protection measures for the hands: Before using check leak tightness / impermeability.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Respiratory protection necessary at: aerosol or mist generation.

particulates filter device (DIN EN 143). P1 (white)

Use only respiratory protection equipment with CE-symbol including four digit test number.

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	green
Odour:	fruity

	Test method
pH-Value (at 20 °C):	9,7 DIN 19268

Changes in the physical state

Melting point:	Undetermined.
Initial boiling point and boiling range:	92 °C DIN 53171
Flash point:	65 °C DIN 51755

Flammability

Solid:	Undetermined.
Gas:	Undetermined.

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Explosive properties

not Explosive.

Lower explosion limits:

Undetermined.

Upper explosion limits:

Undetermined.

Ignition temperature:

325 °C

Auto-ignition temperature

Solid:

Undetermined.

Gas:

Undetermined.

Decomposition temperature:

Undetermined.

Oxidizing properties

not oxidizing.

Vapour pressure:

Undetermined.

Density (at 20 °C):

1,03 g/cm³ DIN 51757

Water solubility:
(at 20 °C)

1000 g/L

Solubility in other solvents

Soluble in: Alcohol.

Partition coefficient:

Undetermined.

Viscosity / kinematic:
(at 20 °C)

< 20 mm²/s DIN 51562

Flow time:

> 30 s (3 mm) 3 DIN EN ISO 2431

Vapour density:

Undetermined.

Evaporation rate:

Undetermined.

Solvent content:

ca. 10%

9.2. Other information

Solid content:

0,10 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

heat.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name			
	Exposure route	Method	Dose	Species
85711-69-9	Sulfonic acids, C13-17-sec-alkane, sodium salts			
	oral	LD50	> 2000 mg/kg	Rat
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts			
	oral	LD50	> 2000 mg/kg	Rat
64-17-5	ethanol, ethyl alcohol			
	oral	LD50	6200 mg/kg	Rat
	inhalative (4 h) vapour	LC50	95,6 mg/l	Rat
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			
	oral	LD50	> 5000 mg/kg	Rat
	dermal	LD50	11000 mg/kg	Rabbit
29911-27-1	1-(1-methyl-2-propoxyethoxy)propan-2-ol			
	oral	LD50	1490 mg/kg	Rat
	dermal	LD50	5210 mg/kg	Rabbit
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene			
	oral	LD50	> 2000 mg/kg	Rat
	dermal	LD50	> 2000 mg/kg	Rabbit
2634-33-5	1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one			
	oral	ATE	500 mg/kg	
2682-20-4	2-methyl-2H-isothiazol-3-one			
	oral	LD50	50 mg/kg	Rat
	dermal	LD50	87 mg/kg	Rabbit
	inhalative (4 h) vapour	LC50	200 mg/l	Rat
	inhalative aerosol	ATE	0,5 mg/l	

Irritation and corrosivity

Irritant effect on the eye: Irritant.

Irritant effect on the skin: mild irritant.

Practical experience.

Practical experience.

Sensitising effects

no danger of sensitization.

Practical experience.

Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

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Specific effects in experiment on an animal

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity LC50: 1-10 mg/L (96 h) Cyprinus carpio (Carp) OECD 203 C9-C15, Alkylethersulfat (2-3 EO), Na-Salz

Acute Daphnia toxicity EC50: 1-10 mg/L (48 h) Daphnia magna Method: OECD 202 C9-C15, Alkylethersulfat (2-3 EO), Na-Salz

Algae toxicity EC50: 10-100 mg/L (72 h) Scenedesmus subspicatus Method: OECD 201 C9-C15, Alkylethersulfat (2-3 EO), Na-Salz

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
85711-69-9	Sulfonic acids, C13-17-sec-alkane, sodium salts					
	Acute fish toxicity	LC50	1-5 mg/l	96 h	Brachydanio rerio (zebra-fish)	
	Acute algae toxicity	ErC50	10-100 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	> 1000 mg/l	48 h	Pseudomonas putida	
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity	EC50 mg/l	9268 - 14221	48 h	Daphnia magna	IUCLID
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 mg/l	4600 - 10000	96 h	Leuciscus idus	IUCLID
	Acute algae toxicity	ErC50	> 1000 mg/l	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	> 500 mg/l	48 h	Daphnia magna	IUCLID
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene					
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	0,42 mg/l	48 h	Daphnia magna	
2682-20-4	2-methyl-2H-isothiazol-3-one					
	Acute fish toxicity	LC50	0,19 mg/l	96 h	Bl. Sonnenbarsch	
	Acute algae toxicity	ErC50	0,063 mg/l	96 h		
	Acute crustacea toxicity	EC50	0,056 mg/l	48 h	Daphnie	

12.2. Persistence and degradability

Biological degradation: > 80% (28 d) Easily biodegradable (concerning to the criteria of the OECD)

Degree of elimination: > 95% Method: OECD 301E/ EWG 92/69, annex V, C.4-B

Biologically degradable according to the criteria laid out in the Washing and Cleansing Agents Act.

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437
29911-27-1	1-(1-methyl-2-propoxyethoxy)propan-2-ol	0,99
5989-27-5	(R)-p-mentha-1,8-diene, d-limonene	4,23
2682-20-4	2-methyl-2H-isothiazol-3-one	- 0,3

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

Further information

Organischer Kohlenstoff : 322 mg/g
Organischer Kohlenstoff Bemerkung : Benzolsulfonsäure, Na-Salz, C10-C13-Alkylderivate
Chemical Oxygen Demand (COD) 1510 mg/g
CSB Bemerkung : Benzolsulfonsäure, Na-Salz, C10-C13-Alkylderivate
BSB Bemerkung : nicht bestimmt

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Remove according to the regulations.

Waste disposal number of waste from residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances
Classified as hazardous waste.

Contaminated packaging

Water.
Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.
Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

EU regulatory information

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2004/42/EC (VOC): ca. 15% (150 - 160 g/L)

Additional information

Sources of the most important data: 2001/118/EG, 1999/45/EG, 91/155/EWG, 67/548/EWG, (EG) 1907/2006, (EG) 1272/2008, GefStoffV, WRMG, WHG, TRG 300, TRGS 200, TRGS 220, ADR 2015, IMDG-Code

National regulatory information

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

Additional information

Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant R phrases (number and full text)

- | | |
|-------|---|
| 10 | Flammable. |
| 11 | Highly flammable. |
| 22 | Harmful if swallowed. |
| 23 | Toxic by inhalation. |
| 34 | Causes burns. |
| 36 | Irritating to eyes. |
| 36/38 | Irritating to eyes and skin. |
| 38 | Irritating to skin. |
| 41 | Risk of serious damage to eyes. |
| 43 | May cause sensitisation by skin contact. |
| 50 | Very toxic to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 67 | Vapours may cause drowsiness and dizziness. |

Relevant H and EUH statements (number and full text)

- | | |
|--------|--|
| H224 | Extremely flammable liquid and vapour. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| EUH208 | Contains (R)-p-mentha-1,8-diene, d-limonene, 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction. |

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Further Information

Moreover, national legislation has to be observed!

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.)