

# Safety Data Sheet

acc. to OSHA HCS

Printing date 07/11/2023

Reviewed on 06/20/2023

## 1 Identification

- **Product identifier**
- **Trade name:** *Windscreen Clear*
- **Article number:** 92141215, 92141515
- **Application of the substance / the mixture** Glass Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Nextzett GmbH  
An der Höhe 15  
D-51674 Wiehl-Marienhagen  
Deutschland  
Tel: +49 2261 6095433  
Fax: +49 2261 6095429  
Email: [info@nextzett.de](mailto:info@nextzett.de) / [www.nextzett.de](http://www.nextzett.de)
- **Information department:** Chemtel
- **Emergency telephone number:** 1-800-255-3924 (USA AND CANADA)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

*Flammable Liquids 3 H226 Flammable liquid and vapor.*


GHS08 Health hazard

*Carcinogenicity 1A H350 May cause cancer.*

- **Label elements**

- **GHS label elements**

*The product is classified and labeled according to the Globally Harmonized System (GHS).*

### Hazard pictograms



GHS02 GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labeling:**

*ethanol*

- **Hazard statements**

*Flammable liquid and vapor.*
*May cause cancer.*

- **Precautionary statements**

*Obtain special instructions before use.*
*Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
*Keep container tightly closed.*
*Ground/bond container and receiving equipment.*

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Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF exposed or concerned: Get medical advice/attention.  
In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other hazards

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

### · Dangerous components:

CAS: 64-17-5	ethanol	≥10-<25%
CAS: 111-76-2	2-butoxyethanol	≥2.5-<10%

- **Verordnung (EG) Nr. 648/2004 über Detergenzien / Kennzeichnung der Inhaltsstoffe**
- perfumes

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

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### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water. ·

**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See

Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

CAS: 64-17-5	ethanol	1,800 ppm
CAS: 111-76-2	2-butoxyethanol	60 ppm
CAS: 78-93-3	butanone	200 ppm
CAS: 1336-21-6	ammonia	61 ppm
CAS: 101-84-8	diphenyl ether	2 ppm
CAS: 91-64-5	Coumarin	0.88 mg/m <sup>3</sup>
CAS: 99-87-6	p-cymene	120 mg/m <sup>3</sup>
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	15 ppm

· **PAC-2:**

CAS: 64-17-5	ethanol	3300* ppm
CAS: 111-76-2	2-butoxyethanol	120 ppm
CAS: 78-93-3	butanone	2700* ppm
CAS: 1336-21-6	ammonia	330 ppm
CAS: 101-84-8	diphenyl ether	16 ppm
CAS: 91-64-5	Coumarin	9.7 mg/m <sup>3</sup>
CAS: 99-87-6	p-cymene	1,300 mg/m <sup>3</sup>
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	67 ppm

· **PAC-3:**

CAS: 64-17-5	ethanol	15000* ppm
CAS: 111-76-2	2-butoxyethanol	700 ppm
CAS: 78-93-3	butanone	4000* ppm
CAS: 1336-21-6	ammonia	2,300 ppm
CAS: 101-84-8	diphenyl ether	96 ppm
CAS: 91-64-5	Coumarin	58 mg/m <sup>3</sup>
CAS: 99-87-6	p-cymene	1,900 mg/m <sup>3</sup>
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	170 ppm

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### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

#### Control parameters

- **Components with limit values that require monitoring at the workplace:**

#### CAS: 64-17-5 ethanol

PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1000 ppm
A3	

#### CAS: 111-76-2 2-butoxyethanol

PEL	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm
	Skin
REL	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm
	Skin
TLV	Long-term value: 20 ppm
	BEI, A3

- **Ingredients with biological limit values:**

#### CAS: 111-76-2 2-butoxyethanol

BEI	200 mg/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.

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Wash hands before breaks and at the end of work.

Store protective clothing separately.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

Suitable chemical resistant protective gloves (EN374) also at prolonged, direct contact (recommended protection index 6, corresponding 480 minutes permeation time according to EN 374) e.g. from Nitrilkautschuk (0,33-0,5 mm) Polyvinylchlorid (1mm).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties ·**

**General Information**

· **Appearance:**

Form:	Fluid
Color:	Light blue
Odor:	Pleasant
Odor threshold:	Not determined.

· **pH-value at 20 °C (68 °F):** 10.7

· **Change in condition**

Melting point/Melting range:	<0 °C (<32 °F)
Boiling point/Boiling range:	80 °C (176 °F)

· **Flash point:** 35.5 °C (95.9 °F)

· **Flammability (solid, gaseous):** Flammable.

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· <b>Auto igniting:</b>	425 °C (797 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Explosion limits:</b>	
Lower:	3.5 Vol %
Upper:	15 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	59 hPa (44.3 mm Hg)
· <b>Vapor pressure at 50 °C (122 °F):</b>	280 hPa (210 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	0.969 g/cm <sup>3</sup> (8.08631 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
Water:	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	23.9 %
VOC content:	23.95 %
	232.0 g/l / 1.94 lb/gal
VOC (EC)	23.95 %
· <b>Solids content:</b>	0.3 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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### 11 Toxicological information

#### · Information on toxicological effects

##### · Acute toxicity:

##### · LD/LC50 values that are relevant for classification:

##### ATE (Acute Toxicity Estimate)

Oral	LD50	20,000 mg/kg (ATE)
Inhalative	LC50/4 h	183 mg/l

##### CAS: 64-17-5 ethanol

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

##### CAS: 111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (rat)
Dermal	LD50	mg/kg (rabbit)

##### · Primary irritant effect:

· on the skin: No irritant effect.

· on the eye: No irritating effect.

· Sensitization: No sensitizing effects known.

##### · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

##### · Carcinogenic categories

##### · IARC (International Agency for Research on Cancer)

CAS: 64-17-5	ethanol	1
CAS: 111-76-2	2-butoxyethanol	3
CAS: 91-64-5	Coumarin	3
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	3

##### · NTP (National Toxicology Program)

None of the ingredients is listed.

##### · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

### 12 Ecological information

#### · Toxicity

· Aquatic toxicity: No further relevant information available. ·

#### Persistence and degradability

The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.

#### · Behavior in environmental systems:

· Bioaccumulative potential No further relevant information available. ·

Mobility in soil No further relevant information available.

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- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (Self-assessment): slightly hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |   |                 |
|---|-----------------|
| · <b>UN-Number</b>  |                 |
| · <b>DOT, IMDG, IATA</b>  | not regulated   |
| · <b>UN proper shipping name</b>  |                 |
| · <b>DOT, IMDG, IATA</b>  | not regulated   |
| · <b>Transport hazard class(es)</b>   |                 |
| · <b>DOT, ADN, IMDG, IATA</b>   |                 |
| · <b>Class</b>  | not regulated   |
| · <b>Packing group</b>  |                 |
| · <b>DOT, IMDG, IATA</b>  | not regulated   |
| · <b>Environmental hazards:</b>   | Not applicable. |
| · <b>Special precautions for user</b>   | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>   | not regulated   |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

#### · **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

#### · **Section 313 (Specific toxic chemical listings):**

CAS: 111-76-2    2-butoxyethanol

CAS: 1336-21-6    ammonia

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## · TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

## · Hazardous Air Pollutants

CAS: 101-84-8 diphenyl ether

## · Proposition 65

### · Chemicals known to cause cancer:

None of the ingredients is listed.

### · Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

### · Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

### · Chemicals known to cause developmental toxicity:

CAS: 64-17-5 ethanol

## · Carcinogenic categories

### · EPA (Environmental Protection Agency)

CAS: 111-76-2 2-butoxyethanol

NL

CAS: 78-93-3 butanone

I

### · TLV (Threshold Limit Value)

CAS: 64-17-5 ethanol

A3

CAS: 111-76-2 2-butoxyethanol

A3

CAS: 76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

A4

### · NIOSH-Ca (National Institute for Occupational Safety and Health) None

of the ingredients is listed.

## · National regulations:

### · Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

### · Other regulations, limitations and prohibitive regulations

#### · Besonders besorgniserregende Stoffe (SVHC) gemäß REACH, Artikel 57 None

of the ingredients is listed.

### · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### · Contact:

### · Date of preparation / last revision 06/20/2023

### · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

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*ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**NIOSH: National Institute for Occupational Safety**OSHA: Occupational Safety & Health**TLV: Threshold Limit Value**PEL: Permissible Exposure Limit**REL: Recommended Exposure Limit**BEI: Biological Exposure Limit**Flammable Liquids 3: Flammable liquids - Category 3**Carcinogenicity 1A: Carcinogenicity - Category 1A**\* Data compared to the previous version altered.*