

Safety Data Sheet acc. to OSHA HCS

Printing date 07/11/2023

Reviewed on 07/11/2023

1 Identification

- **Product identifier**
- **Trade name:** Perfect Shine
- **Article number:** 98150515
- **Application of the substance / the mixture** Maintenance product
- **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 / www.nextzett.de
- **Information department:** Safety Department
- **Emergency telephone number:** CHEMTEL 1-800-255-3924 (USA AND CANADA)

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **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: 111-76-2	2-butoxyethanol	≥2.5-<10%
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· **Verordnung (EG) Nr. 648/2004 über Detergenzien / Kennzeichnung der Inhaltsstoffe**

preservation agents (DIDECYLDIMONIUM CHLORIDE, BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, METHYLCHLOROISOTHIAZOLINONE), perfumes

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.

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- **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:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available. ·
- Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required. ·
- Environmental precautions:**
- Dilute with plenty of water.
- 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). ·
- 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: 111-76-2	2-butoxyethanol	60 ppm
CAS: 63148-62-9	Polydimethylsiloxan	65 mg/m ³
CAS: 7173-51-5	didecyldimethylammonium chloride	0.82 mg/m ³
CAS: 64-17-5	ethanol	1,800 ppm
CAS: 556-67-2	octamethylcyclotetrasiloxane	30 ppm
CAS: 100-51-6	Benzyl alcohol	30 ppm

· PAC-2:

CAS: 111-76-2	2-butoxyethanol	120 ppm
CAS: 63148-62-9	Polydimethylsiloxan	720 mg/m ³
CAS: 7173-51-5	didecyldimethylammonium chloride	9 mg/m ³
CAS: 64-17-5	ethanol	3300* ppm
CAS: 556-67-2	octamethylcyclotetrasiloxane	68 ppm
CAS: 100-51-6	Benzyl alcohol	52 ppm

· PAC-3:

CAS: 111-76-2	2-butoxyethanol	700 ppm
CAS: 63148-62-9	Polydimethylsiloxan	4,300 mg/m ³
CAS: 7173-51-5	didecyldimethylammonium chloride	17 mg/m ³
CAS: 64-17-5	ethanol	15000* ppm

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CAS: 556-67-2	octamethylcyclotetrasiloxane
CAS: 100-51-6	Benzyl alcohol

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130 ppm

740 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **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:** None.
- **Storage class:** 12
- **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: 111-76-2 2-butoxyethanol

PEL	Long-term value: 240 mg/m ³ , 50 ppm
	Skin
REL	Long-term value: 24 mg/m ³ , 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:

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Not required.

Protection of hands:

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.

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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:** Goggles recommended during refilling.

9 Physical and chemical properties

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

General Information

· **Appearance:**

Form:	Fluid
Color:	White
· Odor:	Characteristic
· Odor threshold:	Not determined.

· **pH-value at 20 °C (68 °F):** 7.72

· **Change in condition**

Melting point/Melting range:	4 °C (39.2 °F)
Boiling point/Boiling range:	100 °C (212 °F)

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)

· **Density at 20 °C (68 °F):** 1.001 g/cm³ (8.35334 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water: Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not determined.

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Kinematic:	Not determined.
Solvent content:	
Organic solvents:	<5.1 %
VOC content:	<5.07 %
	<50.7 g/l / <0.42 lb/gal
VOC (EC)	<5.07 %
Solids content:	>2.4 %
Other information	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.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

LD/LC50 values that are relevant for classification:
ATE (Acute Toxicity Estimate)

Oral	LD50	24,024 mg/kg (ATE)
Inhalative	LC50/4 h	220 mg/l

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 is not subject to classification according to internally approved calculation methods for preparations:
- When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

IARC (International Agency for Research on Cancer)

CAS: 111-76-2	2-butoxyethanol	3
CAS: 64-17-5	ethanol	1

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· 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.

· 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: Smaller quantities can be disposed of with household waste.

· Uncleaned packagings:
· Recommendation: Disposal must be made according to official regulations.

· Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

· UN-Number
· DOT, IMDG, IATA not regulated

· UN proper shipping name
· DOT, IMDG, IATA not regulated

· Transport hazard class(es)
· DOT, ADN, IMDG, IATA
· Class not regulated

· Packing group
· DOT, IMDG, IATA not regulated

· Environmental hazards:

Not applicable.

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- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** not regulated

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture** No further relevant information available.

· **Sara**

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

None of the ingredients is listed.

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

CAS: 111-76-2 2-butoxyethanol

· **TSCA (Toxic Substances Control Act):**

CAS: 7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
CAS: 111-76-2	2-butoxyethanol	ACTIVE
CAS: 63148-62-9	Polydimethylsiloxan	ACTIVE
	Poly[3-((2-aminoethyl)amino)propyl]methyl(dimethyl)siloxan, methoxy-terminiert	ACTIVE
CAS: 160875-66-1	2-propylheptanol, ethoxylated	ACTIVE
CAS: 7173-51-5	didecyldimethylammonium chloride	ACTIVE
CAS: 25265-71-8	Dipropylene glycol (isomer unspecified)	ACTIVE
CAS: 24938-91-8	poly(oxy-1,2-ethanediyl), α -tridecyl- ω -hydroxy-	ACTIVE
CAS: 88-41-5	2-tert-butylcyclohexyl acetate	ACTIVE
CAS: 32210-23-4	4-tert-butylcyclohexyl acetate	ACTIVE
CAS: 64-17-5	ethanol	ACTIVE
CAS: 61791-12-6	castor oil, ethoxylated	ACTIVE
CAS: 78-70-6	Linalool	ACTIVE
CAS: 556-67-2	octamethylcyclotetrasiloxane	ACTIVE
CAS: 98-55-5	alpha-Terpineol	ACTIVE
CAS: 151-05-3	1,1-Dimethyl-2-phenylethyl acetate	ACTIVE
CAS: 5182-36-5	2,4,6-trimethyl-4-phenyl-1,3-dioxane	ACTIVE
CAS: 18479-58-8	Dihydromyrcenol	ACTIVE
CAS: 106-25-2	Nerol	ACTIVE
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	ACTIVE
CAS: 2682-20-4	2-methyl-2H-isothiazol-3-one	ACTIVE
CAS: 81782-77-6	4-Methyl-3-decen-5-ol	ACTIVE
CAS: 100-51-6	Benzyl alcohol	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients is listed.

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· 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

· TLV (Threshold Limit Value)

CAS: 111-76-2 2-butoxyethanol

A3

CAS: 64-17-5 ethanol

A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· National regulations:
· 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 07/11/2023

· 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

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

· * Data compared to the previous version altered.