

**Safety Data Sheet 1907 / 2006 / EG (e)**

**B + W Lens Cleaner**

Revision: 25.04.2019

Version:02

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

- 1.1 Product identifier** **B + W Lens Cleaner**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- 1.2.1 Relevant identified uses** Cleaning agent
- SU21 Consumer uses: Private households (= general public = consumers)
- SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
- PC35 Washing and cleaning products (including solvent based products)
- PROC10 Roller application or brushing
- ERC11B Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing)
- 1.2.2 Uses advised against** No specific uses advised against are identified.
- 1.3 Details of the supplier of the safety data sheet**
- Company** Jos. Schneider  
Optische Werke GmbH  
B + W Filter  
Ringstr. 132  
55543 Bad Kreuznach / Germany  
Telefon + 49 (0)671-601-0  
Homepage www.schneiderkreuznach.com
- 1.4 Emergency Number** +49 (0)671-601-0 (during business hours)

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272 / 2008 [CLP/GHS]**  
The product is not classified according to the CLP regulation.
- 2.2 Label elements** Labelling according to Regulation (EC) No 1272 / 2008 [CLP/GHS]
- Hazard pictogram(s)** Void
- Signal word** Void
- Hazard Statements** Void
- Precautionary Statements** P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.
- Other information** EUH 208 Contains benzisothiazilione. May produce an allergic reaction.
- 2.3 Other Hazards**
- Health effect: The product contains organic solvents.
- Environmental effects: Not classified as PBT/vPvB by current EU criteria.

**SECTION 3: Composition / information on ingredients**

- 3.1 Substance**
- 3.2 Mixture**

Substance	EINECS/EG Reg.No	CAS	Weight [%]	Classification
Dipropylenglykolmonomethylether	252-104-2	34590-94-8	5-15	None
1,2-Benzisothiazol-3(2H)-one	220-120-9	2634-33-5	< 0,05	Acute Tox.4, H302; Skin Irrit.2, H315 ; Eye Dam.1, H318 ; Skin Sens.1, H317 ; Aqu. Acute 1, H400 Additional information: SCL: H317:C ≥ 0,05%

**Additional information**

For full text of Hazard statements: See SECTION 16.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Remove affected person from source of contamination.

##### Following inhalation

Fresh air. Get medical attention if any discomfort continues.

##### Following skin contact

Rinse with water. Get medical attention if any discomfort continues.

##### Following eye contact

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop obtain medical attention.

##### Following ingestion

Rinse mouth with water. Do NOT induce vomiting. If symptoms develop obtain medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed physician's information / possible symptoms.

No known long term effects.

#### 4.3 Indication of any immediate medical attention and special treatment needed treatment (advice to doctor)

Symptomatically treat. Provide the Safety Data Sheet for the doctor.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

##### Unsuitable extinguishing media

Full water jet.

#### 5.2 Special hazards arising from the substance or mixture

Follow the general fire precautions indicated by the workplace.

#### 5.3 Advice for fire-fighters

Wear necessary protective equipment.

##### Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and prolonged skin contact.

#### 6.2 Environmental precautions

Avoid discharge into water courses or onto the ground.

#### 6.3 Methods and material for containment and cleaning up

Recover the product and place in a suitable container for reuse. Flush contaminated area with plenty of water.

#### 6.4 Reference to other sections

See SECTION 8 + 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

##### Advice on safe handling

No specific usage precautions noted.

#### 7.2 Conditions for safe storage, including any incompatibilities Requirements for storage rooms and vessels

Store in closed original container in a dry place.

Value: 0 - 35°C.

Durability: 24 months.

##### Further information on storage conditions

None.

#### 7.3 Specific end use(s)

No relevant information available.

### SECTION 8: Exposure controls / personal protection

#### 8.1 Control parameters

##### Ingredients with occupational exposure limits to be monitored (EU / GB)

Substance	[ml/m <sup>3</sup> ]	[mg/m <sup>3</sup> ]	Remarks
Dipropylenglykolmono methylether	50	310	8h

##### Additional information

The lists valid during the making were used as basis.

#### 8.2 Exposure controls

##### Appropriate engineering controls

No special precautions.

##### Personal protection equipment

No special precautions.

##### Eye protection

Eye protection is not required under normal conditions.

##### Hand protection

Hand protection not required.

##### Other protection measures

No recommendation given.

##### Respiratory protection

Respiratory protection not required.

##### Thermal Hazards

No recommendation given.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	colourless
Odour	almost odourless
Odour threshold	no data available
pH-value	~ 8
Melting point / freezing point [°C]	no data available
Initial boiling point and boiling range [°C]	no data available
Flash point [°C]	> 100
Evaporation rate	no data available
Ignition temperature [°C]	no data available
Flammability (solid, gas)	no data available

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<b>Lower flammability or explosive limit [Vol%]</b>	no data available
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<b>Vapour pressure [hPa]</b>	no data available
<b>Vapour density</b>	no data available
<b>Relative density [g/cm³]</b>	~ 1,0
<b>Solubility in water</b>	completely soluble
<b>Organic solvents [%]</b>	no data available
<b>Partition coefficient: n-Octanol / water</b>	no data available
<b>Auto-ignition temperature [°C]</b>	not determined
<b>Decomposition temperature</b>	no data available
<b>Dynamic Viscosity at 20°C [mPas]</b>	no data available
<b>Explosive properties</b>	not determined
<b>Oxidising properties</b>	no

**9.2 Other information**  
None.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity**  
There are no known reactivity hazards associated with this product.
- 10.2 Chemical stability**  
**Thermal decomposition / conditions to be avoided**  
Stable under normal temperature conditions and recommended use.
- 10.3 Possibility of hazardous reactions**  
No information available.
- 10.4 Conditions to avoid**  
No recommendation given.
- 10.5 Incompatible materials**  
None known.
- 10.6 Hazardous decomposition products**  
During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

**SECTION 11: Toxicological information**

- 11.1 Information on toxicological effects**  
**Acute toxicity**  
No information available.
- Relevant LD/LC50-Values**  
**2634-33-5 1, 2-Benzisothiazol-3(2H)-one**  
Oral LD50 1150 mg/kg (Mouse)  
Oral LD50 597 mg/kg (Rat)  
Dermal LD50 > 2000 mg/kg
- Primary irritant effect**  
**Skin corrosion / irritation**  
May produce an allergic reaction.  
**Serious eye damage / irritation**  
May cause irritation.  
**Respiratory or skin sensitisation**  
Solvent vapours are hazardous and may cause nausea, sickness and headaches.

**Summary of evaluation of the CMR properties**  
**Germ cell mutagenicity**  
No data available.  
**Carcinogenicity**  
No data available.  
**Reproductive Toxicity**  
No data available.  
**Specific target organ toxicity – single exposure**  
No data available.  
**Specific target organ toxicity – repeated exposure**  
No data available.  
**Aspiration hazard**  
No data available.

**SECTION 12: Ecological information**

- 12.1 Toxicity**  
**2634-33-5 1, 2-Benzisothiazol-3(2H)-one**  
LC50/96h 0,74 mg/l (Fish)  
EC50/48h 2,44 mg/l (Daphnia magna)
- 12.2 Persistence and degradability**  
**Behaviour in environment compartments**  
The product is easily biodegradable.  
**Behaviour in sewage plant**  
No information available.  
**Biological degradability**  
No information available.
- 12.3 Bioaccumulative potential**  
The product does not contain any substances expected to be bioaccumulating.
- 12.4 Mobility in soil**  
The product is water soluble and may spread in water systems.
- 12.5 Results of PBT and vPvB assessment**  
Based on all available information not to be classified as PBT or vPvB respectively.
- 12.6 Other adverse effects**  
Avoid release to the environment.

**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods**  
Waste disposal recommendations:  
Dispose of waste and residues in accordance with local authority requirements.  
**EWC waste code**  
EWC: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics.  
**Other information:**  
Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**SECTION 14: Transport information**

- 14.1 UN-Number**  
**ADR, ADN, RID, IMDG, IATA** Not applicable.
- 14.2 UN proper shipping name**  
**Transport by land according to ADR / RID**  
NOT CLASSIFIED AS „DANGEROUS GOODS“  
**IMDG**  
NOT CLASSIFIED AS „DANGEROUS GOODS“  
**IATA**  
NOT CLASSIFIED AS „DANGEROUS GOODS“

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<p><b>14.3 Transport hazard class(es)</b> Not applicable.</p> <p><b>14.4 Packing group</b> Not applicable.</p> <p><b>14.5 Environmental hazards</b> Marine pollutant                      No</p> <p><b>14.6 Special precautions for user</b> Not applicable.</p> <p><b>14.7 Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC – Code</b> Not applicable.</p> <p><b>UN "Model Regulation"</b> Not applicable.</p>	<p>EINECS:            European Inventory of Existing Commercial Chemical Substances</p> <p>GHS:                Globally Harmonised System</p> <p>IATA:                International Air Transport Association</p> <p>IATA-DGR:        International Air Transport Association – Dangerous Goods Regulations</p> <p>IBC-Code:         International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk</p> <p>IMDG:              International Maritime Dangerous Goods Code</p> <p>IUCLID :            International Uniform Chemical Information Database</p> <p>LC50:                Lethal concentration, 50%</p> <p>LD50:                Median lethal dose</p> <p>Lit.:                 Literature</p> <p>MARPOL:          International Convention for the Prevention of Marine Pollution from Ships</p> <p>PBT:                Persistent, bioaccumulative and toxic substance</p> <p>REACH:            Registration, Evaluation, Authorisation of Chemicals</p> <p>RID:                Règlement concernant le transport international ferroviaire de marchandises dangereuses</p> <p>STEL:               Short Term Exposure Level</p> <p>TWA:                Time weighted Average</p> <p>VOC:                Volatile organic compounds</p> <p>vPvB:               very Persistent and very Bioaccumulative</p> <p>Acute Tox. 4:      Acute toxicity, Hazard Category 4</p> <p>Aqu. Acute1:      Hazardous to the aquatic environment – Acute Hazard, Category 1</p> <p>Eye Dam.1:      Serious eye damage, Hazard Category 1</p> <p>Skin Irrit. 2:     Skin irritation, Hazard Category 2</p> <p>Skin Sens.1:     Sensitisation – Skin, Hazard Category 1</p>
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#### SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**  
**EEC-Directive**  
 Regulation (EC) No 648/2004 of the European Parliament and the Council of 31 March 2004 on detergents.  
 Dangerous Preparations Directive 1999/45/EC.  
 Dangerous Substance Directive 67/548/EEC.  
**Legislation and regulations**  
 The Mangement of Health and Safety at Work Regulations 1999 (SI 19999 No. 3242).  
 EH40/2005, Workplace exposure limits, 2005, with amendments.  
 The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).  
 Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**NATIONAL REGULATIONS (GE)**

**Observe employment restrictions for people**

Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

**WGK 1 (Germany):** slightly water endangering

**15.2 Chemical Safety Assessment**

Chemical Safety Assessments for substances in this mixture were not carried out.

#### SECTION 16: Other information

**16.1 Hazard statements**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.

**16.2 Shortcuts and acronyms**

- ADN:                Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
- ADR:                Accord européen relatif au transport international des marchandises dangereuses par route
- CAS:                Chemical Abstract Service
- CLP:                Classification, Labelling and Packaging of Chemicals

**16.3 Further information**

None.

These information are based on our present state of knowledge. They describe our product in view of the requirements for safety. They don't assure of certain properties of the product.