

***schülke optics lotion***      ***No Change Service!***

Version	Revision Date:	Date of last issue: 12.10.2016
01.02	17.04.2019	Date of first issue: 30.06.2016

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

**1.1 Product identifier**

Trade name : schülke optics lotion

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

Use of the Sub- : For demonstrating gaps in coverage at hand disinfection  
stance/Mixture

**1.3 Details of the supplier of the safety data sheet**

Manufacturer/ Supplier : Schülke & Mayr GmbH  
Robert-Koch-Str. 2  
  
22851 Norderstedt  
Germany  
Telephone: +49 (0)40/ 52100-0  
Telefax: +49 (0)40/ 52100318  
mail@schuelke.com  
www.schuelke.com

Supplier : Schülke & Mayr UK Ltd.  
Cygnet House  
1, Jenkin Road, Meadowhall  
  
Sheffield S9 1AT  
United Kingdom  
Telephone: +44 114 254 35 00  
Telefax: +44 114 254 35 01  
mail.uk@schulke.com

E-mail address of person : Application Department  
responsible for the +49 (0)40/ 521 00 8800  
SDS/Contact person ApplicationDepartment.SM@schuelke.com  
(Schülke & Mayr UK Ltd.: +44-1142543500)

**1.4 Emergency telephone number**

Emergency telephone num- : UK Poisons Emergency number: 0870 600 6266  
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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to  
Regulation (EC) No. 1272/2008.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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**schülke optics lotion**      **No Change Service!**Version  
01.02Revision Date:  
17.04.2019Date of last issue: 12.10.2016  
Date of first issue: 30.06.2016**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Contact with eyes may cause irritation.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Chemical nature : oil in water emulsion

**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Paraffinum Liquidum	8042-47-5 232-455-8 - - - - - -	Asp. Tox. 1; H304	< 10

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

In case of eye contact : Flush eyes with water as a precaution.  
If eye irritation persists, consult a specialist.

If swallowed : Do NOT induce vomiting.  
Rinse mouth with water.  
Obtain medical attention.

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

Symptoms : Treat symptomatically.

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

Treatment : For specialist advice physicians should contact the Poisons Information Service.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media : Dry powder  
Foam  
Water spray jet  
Carbon dioxide (CO<sub>2</sub>)

***schülke optics lotion***

***No Change Service!***

Version  
01.02

Revision Date:  
17.04.2019

Date of last issue: 12.10.2016  
Date of first issue: 30.06.2016

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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

Specific hazards during fire-fighting : No information available.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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**SECTION 6: Accidental release measures**

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

Personal precautions : Increased risk of slipping in the presence of leaked / spilled product.

**6.2 Environmental precautions**

Environmental precautions : Avoid subsoil penetration.

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

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**6.4 Reference to other sections**

See chapter 13

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : not required under normal use  
Advice on protection against fire and explosion : No special protective measures against fire required.

Hygiene measures : Keep away from food and drink.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Store at room temperature in the original container.

Further information on storage conditions : Keep away from heat. Keep away from direct sunlight. Recommended storage temperature: 5 - 25°C

Advice on common storage : No materials to be especially mentioned.

**7.3 Specific end use(s)**

***schülke optics lotion******No Change Service!***Version  
01.02Revision Date:  
17.04.2019Date of last issue: 12.10.2016  
Date of first issue: 30.06.2016

Specific use(s) : none

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

none

**8.2 Exposure controls****Personal protective equipment**

Protective measures : Avoid contact with eyes.

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

Appearance	: emulsion
Colour	: white
Odour	: characteristic
Odour Threshold	: not determined
pH	: approx. 5.0 (20 °C)
Melting point/freezing point	: < 0 °C
Decomposition temperature	: Not applicable
Boiling point/boiling range	: > 100 °C
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit / Upper flammability limit	: Not applicable
Lower explosion limit / Lower flammability limit	: Not applicable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: approx. 0.98 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	
Water solubility	: No data available
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: No data available

Viscosity

***schülke optics lotion******No Change Service!***Version  
01.02Revision Date:  
17.04.2019

Date of last issue: 12.10.2016

Date of first issue: 30.06.2016

Viscosity, dynamic : approx. 1,000 mPa\*s (20 °C)  
Method: DIN 53019

Explosive properties : No data available

Oxidizing properties : No data available

**9.2 Other information**

No data available

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

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

The product is chemically stable.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : None known.

**10.4 Conditions to avoid**

Conditions to avoid : Keep at temperature not exceeding 25 °C.

**10.5 Incompatible materials**

Materials to avoid : None reasonably foreseeable.

**10.6 Hazardous decomposition products**

none

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product:**

Acute oral toxicity : Remarks: This information is not available.

**Skin corrosion/irritation****Product:**

Remarks : No skin irritation

**Serious eye damage/eye irritation****Product:**

Remarks : Contact with eyes may cause irritation.

***schülke optics lotion******No Change Service!***Version  
01.02Revision Date:  
17.04.2019Date of last issue: 12.10.2016  
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**Respiratory or skin sensitisation****Product:**

Assessment : Contains no substance or substances classified as sensitising.  
Remarks : May cause sensitisation of susceptible persons by skin contact.

**Germ cell mutagenicity****Product:**

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

**Carcinogenicity****Product:**

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

**Reproductive toxicity****Product:**

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

**Aspiration toxicity**

No data available

**Further information****Product:**

Remarks : There is no data available for this product.

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**SECTION 12: Ecological information****12.1 Toxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

**12.2 Persistence and degradability****Product:**

Biodegradability : Remarks: No data available

**12.3 Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

***schülke optics lotion***

***No Change Service!***

Version  
01.02

Revision Date:  
17.04.2019

Date of last issue: 12.10.2016  
Date of first issue: 30.06.2016

**12.4 Mobility in soil**

**Product:**

Mobility : Remarks: No data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

**12.6 Other adverse effects**

**Product:**

Additional ecological information : No data is available on the product itself.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Take empty packaging to the recycling plant.

**SECTION 14: Transport information**

**14.1 UN number**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

For personal protection see section 8.

***schülke optics lotion***      ***No Change Service!***

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01.02	17.04.2019	Date of first issue: 30.06.2016

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

Not applicable for product as supplied.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants	: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Volatile organic compounds : none, Directive 2010/75/EC on the limitation of emissions of volatile organic compounds

**Other regulations:**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.

**15.2 Chemical safety assessment**

Exempt

**SECTION 16: Other information****Full text of H-Statements**

H304 : May be fatal if swallowed and enters airways.

**Full text of other abbreviations**

Asp. Tox. : Aspiration hazard

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration



***schülke optics lotion***      ***No Change Service!***Version  
01.02Revision Date:  
17.04.2019Date of last issue: 12.10.2016  
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to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.