

SAFETY DATA SHEET

[in accordance with the criteria of Regulation no 1907/2006 (REACH) as amended]

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

1.1 Product identifier

OPTIC CLEANER

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

Relevant identified uses: optics cleaning fluid.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Supplier:

Address:

Telephone number:

E-mail address for a competent person responsible for SDS:

1.4 Emergency telephone number

112

Section 2: Hazards identification

2.1 Classification of the substance or mixture

The product is not classified as hazardous for human health, life and for the environment.

2.2 Label elements

Hazard pictograms and signal words

None.

Names of substances mentioned on the label

None.

Hazard statements

None.

Precautionary statements

P102 Keep out of reach of children.

P501 Dispose of contents/container to properly labelled waste containers according to national law.

2.3 Other hazards

Components do not meet criteria for PBT or vPvB in accordance with Annex XIII of Regulation REACH. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Mixture does not contain components classified as hazardous for human life and health and for the environment in concentrations that require to be mentioned in the safety data sheet, nor the components with occupational exposure limit values established on the Community level.



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Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: consult a doctor in case of any disturbing symptoms. Take off contaminated clothes. Thoroughly wash the exposed skin areas with water.

Eye contact: protect non-irritated eye, remove any contact lenses. Wash out with plenty of water for 10-15 min. Avoid strong stream of water – risk of damage of the cornea. Consult an ophthalmologist in case of any disturbing symptoms.

Ingestion: rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor, show the packaging or label.

Inhalation: remove the victim to fresh air, keep warm and calm. Consult a doctor if disturbing symptoms appear.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: prolonged contact may cause skin redness, itching, burning sensation.

Eye contact: possible redness, tearing, burning sensation.

Inhalation: high concentration of vapours may cause respiratory irritation, headache.

Ingestion: may cause abdominal pain, nausea, vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, extinguishing powder, extinguishing foam, water spray. Adjust firefighting measures to the surrounding materials

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During the fire, the product may produce harmful gases containing, e.g. carbon oxides and other unidentified thermal decomposition products. Do not inhale combustion products, they can be dangerous for human health.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. In case of fire cool endangered containers with water spray from safe distance. Collect used extinguishing media.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Ensure that removing the problem and its results is conducted by a trained personnel only. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow the mixture to get into surface waters and soil. In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Absorb leakage with liquid absorbing materials (e.g. sand, earth, universal binding agents) and place it in labeled containers. Bank up larger spills and pump them out. Treat collected material as waste. Clean and ventilate the contaminated area well.



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6.4 Reference to other sections

Appropriate conduct with waste product – see section 13. Personal protective equipment – see section 8.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke while working with the product. Ensure adequate ventilation, do not inhale the vapours of the product. Avoid contact with skin and eyes. Keep unused containers tightly closed. Use personal protection measures.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly closed containers, in a dry and well-ventilated place. Do not store with incompatible materials (see subsection 10.5). Keep away from food, beverages or feed for animals. Avoid direct sunlight, sources of warmth. Containers that have been opened must be resealed and stored in an upright position to prevent product leakage.

7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Product does not contain components with occupational exposure limit values established on the European Union level

Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

Please check any national occupational exposure limit values in your country.

8.2 Exposure controls

Appropriate engineering controls

Use the product in accordance with good occupational hygiene and safety practices. Ensure adequate general and/or local ventilation. Do not eat, drink or smoke when using the product. Avoid contact with eyes and skin. Wash hands before breaks and after work.

Personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Skin protection

Not required under normal working condition.

Eye protection

Wear safety glasses in accordance with EN 166 if there is a risk of eye contamination.

Respiratory protection

Under normal working conditions it is not required.

Thermal hazards

Do not occur.

Environmental exposure controls

Avoid environment contamination, do not empty into drains. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determinate their compatibility with environmental protection regulations.

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour	odourless
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	product not classified in terms of flammability
Lower and upper explosion limit:	not determined
Flash point:	not applicable
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH:	6,1 (1 % solution)
Kinematic viscosity:	not determined
Solubility:	soluble in water
Partition coefficient n-octanol/water (log value):	not determined
Vapour pressure:	not determined
Density and/or relative density:	1
Relative vapour density:	not determined
Particle characteristics:	not applicable

9.2 Other information

Evaporation rate:	1 (water=1)
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Section 10: Stability and reactivity

10.1 Reactivity

Product is feebly reactive. It does not undergo hazardous polymerization. See also subsections 10.3 and 10.5.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are known.

10.4 Conditions to avoid

Direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

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Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

See subsection 4.2 for more information on the effects from each possible route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

No data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Other information

Not applicable.

Section 12: Ecological information

12.1 Toxicity

Product is not classified as hazardous for the environment.

12.2 Persistence and degradability

No data.

12.3 Bioaccumulative potential

No data.

12.4 Mobility in soil

Mobility of components of the mixture depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

12.5 Results of PBT and vPvB assessment

The components do not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.



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12.6 Endocrine disrupting properties

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12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. Consider other harmful effects of individual components of the mixture on the environment (eg, global warming potential).

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Do not dispose of with municipal waste. Do not mix with other waste. Waste code should be given in the place of waste formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the legislation in force. Only containers completely empty can be recycled.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

Section 14: Transport information

14.1 UN number or ID number

Not applicable, product is not classified as dangerous during transportation.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Section 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of 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 as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents as amended.

It is not necessary to carry out a chemical safety assessment for the mixture.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.