

## ***elma opto clean***

### **CLEANING CONCENTRATE FOR OPTICS**

*universal for all spectacle frames and glasses*

#### **Description**

*elma opto clean* is an approved concentrate for the cleaning of glasses and frames in ultrasonic bathes. Also suitable for the cleaning of:

- coated glasses made from plastic materials,
- framed and other precision optical pieces.

The advantages of *elma opto clean* are:

- removes gently grease and sweat deposits, fingerprints,
- no damages for glasses and frames also after multiple application,
- brightening for most metallic frames,
- highly economical due to the concentrated formula.

#### **Application and dosage**

Dilution ratio: dilute with water at about 1 : 20 – 1 : 50 (2 - 5 vol%). Depending on the degree of contamination clean in ultrasonic bath for approx. 1 – 10 min. Rinse the cleaned pieces in running water and dry.

#### **Hotline for application consulting**

Working days: Tel. ++49 (0) 7731 882-287. Email: [chemlab@elma-ultrasonic.com](mailto:chemlab@elma-ultrasonic.com)

#### **Safety recommendations**

*elma opto clean* is not classified as hazardous according to Regulation (EC) No 1272/2008 [GHS]. Observe the hints indicated in the Safety Data Sheets. Always handle chemicals with care.

#### **Physical-chemical characterisation**

Density: 1.02 g/ml, pH 9.5 – 10 in state of delivery.

Ingredients according to Annex VII, A, EC-Regulation 648/2004 (detergents): <5% anionic surfactants, <5% non-ionic surfactants, perfumes.

#### **Disposal**

The surfactants in our product meet the criteria for biodegradation as laid down in Annex III of the Regulation (EC) No 648/2004 on detergents.

The cleaning bath can be fed into the sewage system after use; check the contamination brought into the used solution. Disposal of the concentrate: eventual neutralisation (observe local sewage regulations).

European waste code: 20 01 30, „detergents other than those mentioned in 20 01 29“.

#### **Volumes, storage and transport**

Available volumes: 1l, 2.5l and 10l.

Store in closed original container at a temperature between +5°C and +30°C, protected from heat and direct solar radiation.

Shelf life: 5 years from date of production (see stamp on label).

Classification for all means of transport: no hazardous material.

**Elma Hans Schmidbauer GmbH&Co KG**

Kolpingstr. 1-7, D-78224 Singen

e-mail: [info@elma-ultrasonic.com](mailto:info@elma-ultrasonic.com)

30.07.13/ P:\Produkte\PRODInfo\Produkte\englisch\word\_GB\P\_opto clean\_GB.docx

Tel.: ++49 (0) 7731 882-0

Fax: ++49 (0) 7731 882-266

[www.elma-ultrasonic.com](http://www.elma-ultrasonic.com)