

## ***elma redux***

### **READY-FOR-USE FOR THE REDUCTION OF FLAME TEMPERATURE OF HYDROGEN-SOLDERING AND -WELDING EQUIPMENT**

#### **Description**

*elma redux* is a ready-for-use evaporator liquid reducing the flame temperature of the combustion of hydrogen-oxygen gas mixtures. The flame temperature of maximum 2850°C (for ideal combustion, without *elma redux*) can be reduced by passing the gas mixture through *elma redux* down to 1800°C (dependent on the gas flow rate).

The size of the flame will be increased and it will be better recognizable by its luminous blue colour. Further on droplets of electrolyte and water vapour accompanying a gas mixture produced from an electrolyte of a hydrogen-soldering or -welding equipment will be separated out of the gas mixture.

#### **Application and dosage**

Ready-for-use. For the hydrogen soldering equipments „Elmaflame“ (EF) 140, 240, 300 as well as „Hot Flame“ (HF) Eco HF 10, HF 50, HF 100, HF 150, HF 300, HF 350 and HF 500. Observe the manuals for the device types EF and HF: For the EF-devices fill into the evaporator glass, for HF-devices into the flux-container.

#### **Safety recommendations**

*elma redux* is classified as hazardous according to the regulation (EC) No 1272/2008 [GHS] (highly flammable, eye irritation, narcotic effect). Observe also with respect to this the hints indicated in the Safety Data Sheet and always handle chemicals with care.

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

Density: 780 – 790 g/l, flash point: 12 °C. Contains propan-2-ol.

#### **Disposal:**

1. Dispose via specialised disposal companies: European waste code: 14 06 03\*, “other solvents and solvent mixtures”.
2. Incinerate in suitable incineration plant, but care for official regulations. Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Do not discharge product unmonitored into the environment. Recommended for recycling or disposal. Transport in appropriate suitable containers.

#### **Volumes and storage:**

Available volumes: 1 litre PE-bottle.

Store in tightly closed original container only at a cool and ventilated place and protected from heat and direct solar radiation. Do not store together with oxidizing agents. Keep away from ignition sources.

Shelf life: 2 years in original, unopened bottle from the date of production (see stamp on label).

Classification for all means of transport: class 3, UN 1219.



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