



SONICA® AF 1 Kg

Concentrated cleaner for removing large quantities of oxides, rust, stains and scale encrustation. Not suitable for parts in aluminium. Ideal for strong washing of highly soiled and scale-encrusted laboratory glassware. Dilution ratio from 1:10 to 1:20 according to the extent of the deposits. Acid product with pH 0.

Preparation for professional use only

Does not contain substances subject to legal provisions on biodegradability.

CHARACTERISTICS

pH 0

A concentrated cleaning preparation with a phosphoric acid base for the removal of large quantities of oxides, rust, stains and scale encrustation, from glass, ceramics, stainless steel and plastic. It is not suitable for parts in aluminium. Ideal for strong washing of highly soiled and scale-encrusted laboratory glassware.

METHOD OF USE

A compatibility test for materials sensitive to acid products is recommended before use. Do not pour the product directly into the ultrasounds receptacle. Use plastic or glass containers. Diluting the product with water is recommended. Dilution ratio from 1:10 to 1:20 according to the extent of the deposits. After cleaning rinse thoroughly with running water.

Contains 45% phosphoric acid

R34 Causes burns.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



Do not fill the receptacle with other chemical products.

Prepared on: 30/06/93

Updated on: 28/06/97

1. Preparation and company information

- **Preparation information**

- Name: SONICA® AF
- Use: Encrustation remover

- **Company information**

Soltec srl
via Castelbarco, 17
20136 Milano (MI)
Tel. 02 58308378

- **Emergency contact**

Centro Antiveleni [Poison antidote centre]
Ospedale di Niguarda (MI) [Niguarda Hospital, Milan]
Tel. 02 66101029

2. Composition/Information on ingredients

- **Description:** Preparation containing phosphoric acid.

- **Hazardous substances:**

CAS no.	Name	Conc. (%)	Symbol	R phrases
7664-38-2	phosphoric acid	>25	C	34

3. Hazards identification

- **Classification of hazardousness:** C-CORROSIVE
- **Specific hazards for humans and the environment:** The product can cause burns. Protection of the eyes and skin during use is recommended.

4. First aid measures

- **General:** Remove contaminated clothes immediately and place them in a safe place; wash the part concerned with lukewarm water and soap.
- **Contact with eyes:** Rinse carefully and thoroughly with water for at least 15 minutes and consult a doctor.
- **Contact with skin:** Wash the part concerned with plenty of water and soap.
- **Inhaling:** Take into a well-ventilated place.
- **Swallowing:** Rinse the mouth with plenty of water and consult a doctor.
- **Specific and immediate means of treatment to be kept at the workplace:**

5. Fire fighting measures

- **Recommended extinguishing means:** Synthetic foam, carbon dioxide, extinguishing powders.
- **Extinguishing means unsuitable for safety reasons:** Full jet of water.
- **Combustion products:** Toxic phosphorus compounds vapours.
- **Special precautions:**

6. Accidental release measures

- **Individual precautions:** Use suitable protective equipment (gloves, goggles).
- **Environmental precautions:** Prevent the product from reaching waterways and from dispersing in the subsoil. Collect by using sand and inert powders.



6. "Accidental release measures"

- **Cleaning methods:** Neutralise any residues with sodium carbonate or lime and rinse with plenty of water.
- **Recommendations:**

7. Handling and storage

- **Handling:** Protect with acid-proof goggles and gloves. Observe rules of good personal hygiene.
- **Storage:** Prevent the product from coming into contact with alkali.

8. Exposure controls/personal protection

- **Technical measures of protection:**
- **Respiratory protection:** Not required.
- **Eye protection:** Safety goggles.
- **Skin protection:** Acid-proof gloves.
- **Professional exposure limit:** Components with limit values to be kept under control in the workplace:

Phosphoric acid: TLV-TWA: 1 mg/m³

- **Specific hygiene measures:** Keep away from food and drink. Wash hands before breaks and at the end of the working day. Wash contaminated clothes before reusing them.

9. Physical and chemical properties

- **Appearance (physical state and colour):** Colourless liquid.
- **Odour:** Characteristic
- **pH:** 0 at 20°C (pure product)
- **Boiling point/range (°C):** > 100
- **Melting point/range (°C):** N.A.
- **Flash point (°C):** N.S.
- **Self-ignition temperature (°C):** N.S.
- **Explosion limits (in air):** N.A.
- **Vapour tension:** N.S.
- **Density (g/cm³):** 1.2 g/l
- **Solubility in water:** Complete
- **Hygroscopicity:** N.A.
- **Viscosity:** N.S.
- **Other data:**

10. Stability and reactivity

- **Stability:** Stable in normal conditions of use.
Conditions to be avoided: Contact with strong oxidants and alkali.
- **Hazardous decomposition products:** Toxic phosphorus compounds.
- **Risk of polymerisation:**

11. Toxicological information

Specific information on the preparation is not available. The information available is given on the most significant risk factor:

phosphoric acid: LD 50 oral in rats 1530 mg/kg

- **Inhaling:**



11. "Toxicological information"

- **Swallowing: Highly corrosive for the mucous membranes.**
- **Contact with the eyes:** Can cause eye lesions.
- **Contact with the skin:** Can cause skin lesions.
- **Other information:**

12. Ecological information

Use the product without dispersing it in the environment.

13. Disposal considerations

The residues must be disposed of in accordance with the laws in force and after an analytical control for classification of the same waste.

14. Transport information

ADR: class 8, 17th C UN No. 1805

15. Regulatory information

Information given on the label.

- **Commercial name:** SONICA® AF
- **Marketed by:**
 - Name: Soltec srl
 - Address: via Castelbarco, 17 - 20136 Milano (MI)
 - Tel.: 02 58308378
- **Chemical name:**
- **Hazard symbols:** C
- **Hazard indications:** CORROSIVE
- **Hazardous ingredients requiring labelling:** Phosphoric acid
- **Risk (R) phrases:** R34: Causes burns.
- **Safety (S) phrases:** S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other information

The data given are based on our current knowledge: the user is responsible for ascertaining that these data are suitable and comprehensive in relation to the special use to be made of them.

Note: N.S. = (data) not supplied

N.A. = (properties) not applicable

The information contained is based on our current knowledge and refers to the product in the state and conditions in which it is supplied.

It describes the product taking into account the safety requirements.

This description does not represent an obligation of guarantee or assurance of the quality of the product.