



Application/Product Description

Treatment of stainless steel surfaces

Removes annealing colours, as well as mill/welding scale, corrosion, extraneous rust and ferritic pressing

Supplied as a concentrate (fill in water first, then add concentrate)

Also available as ready mix and re-sharpener

Individual Features

Chloride-free

Product can also be used in circulation process

High economic efficiency due to long-lasting, constantly strong acid concentration - regular bath maintenance provided

Adaptation to a wide variety of requirements possible through individual acid combinations

acid concentration



Reaction Time

At least 60 – 360 min.

Depending on temperature of material and bath, as well as material type and desired surface quality



Result

Metallically pure surface with matt to silky glossy appearance



Treatable Materials

Austenitic stainless steels, Duplex and Super Duplex



Recommended Accessories

Surface cleaner or alkaline degreaser

High pressure cleaner

Dipping baskets

Pickling pools

Personal protective equipment

General Information on Application

- The respective product must be tested for suitability before use (pre-test)
- Remove impurities, grease or oil residues with acidic cleaner (Pelox Surface Cleaner FR-D) or alkaline degreaser (Pelox Cleaning and Degreasing agent AR 90) before treatment
- Optimal surface qualities and pickling times require intelligent bath management. This requires knowledge of acid contents and metal accumulations (iron content) in the pickling bath
- Detailed analyses can be done on request in order to optimally adjust the re-sharpening concentrate to your quality requirements
- Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 - 25 °C)
- Observe safety data sheet and wear personal protective equipment
- Observe proper waste water treatment and disposal of residues
- All information is non-binding – subject to change without notice



PHYSICAL AND CHEMICAL PROPERTIES

State of Aggregation:	liquid
Form:	liquid
Colour:	colourless
Odour:	acid
pH value:	0-1
Density at 20 °C:	1,15 - 1,2 g/cm ³

CLASSIFICATION IN ACCORDANCE WITH (EC) NO. 1272/2008 (CLP)

This product is assessed and classified using the methods and criteria referred to in Article 9 of Regulation (EC) no 1272/2008.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components to be indicated on label:	nitric acid ...% [C ≤ 70 %] hydrofluoric acid



HAZARDS IDENTIFICATION

Hazard statements:

H290; H301+H331; H310; H314

May be corrosive to metals. Toxic in contact with skin or if inhaled. Fatal in contact with skin. Causes severe skin burns and eye damage.

Precautionary statements:

P260; P264; P280; P303+P361+P353; P305+P351+P338; P310; P403+P233

Do not breathe mist/vapours/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Store in a well-ventilated place. Keep container tightly closed.

Hazard statements (EU):

EUH071

Corrosive to the respiratory tract.