

Product information Nickel Remover

Product information "Nickel Remover - Nickel Stripper".

Nickel Remover - Nickel Stripper from Betzmann Galvanik easily removes nickel plating from steel, copper, brass and silver and provides the following benefits:

Ready-to-use solution: no mixing required

Low hazard

Stripping speeds of up to 50 microns per hour at 62 ° C.

High capacity (1 liter can strip 40 grams of nickel)

Low odor: minimum aeration required

Supplied as ready-to-use single component solution

Non-electrolytic stripper: no separate rectifier required

Long bath life

Can be shipped worldwide

Ideal for restorers and electroplaters

The nickel remover removes nickel from attacked and damaged workpieces electrolessly and selectively. The product is used by restorers, in electroplating and selective etching.

The product does not attack copper and iron, so nickel-plated objects can be removed without problems. This eliminates the need to grind away nickel and the associated release of toxic nickel dust. The bath operates without current at higher temperatures (80 - 90 °C).

The nickel remover is heated to 90 °C in an inert vessel made of borosilicate glass or ceramic or enamel. Do not use a steel or aluminum pot, as it may slowly deteriorate over time.

Both electroplated nickel layers and electroless nickel-phosphorus layers are dissolved. Electroplated nickel dissolves more quickly. The bath can be reused several times until it is exhausted.

Nickel layers play an important role in chrome plating. Barrier layer as well as bright layer of nickel are the basis e.g. for chrome plating. Nickel is indispensable in restoration and electroplating.

A nickel barrier layer is required to apply shiny gold layers with pen electroplating. If a nickel layer does not succeed, e.g. if the nickel electrolyte is contaminated ("poisoned") or another error has occurred during electroplating,

then nickel must be specifically removed.

Operating conditions

Temperature range 50 -65 ° C (see notes below)

Tank glass (see notes below), steel or polypropylene

Stirring mechanism (stirrer). Never use air agitation

Stripping rate See notes below

Stripping capacity Can strip up to 40 grams of nickel per liter

Special storage requirements None

Shelf life 1 - 2 years

Health and Safety Classification Irritant

Special considerations None

Transport (UN number) None: Not classified as hazardous for transport

Notes:

Tanks should be stainless steel, polypropylene or glass.

If using glass, return the solution (cooled) to the tank after use.

Heating should be done by a Teflon-coated stir bar (if drawn off in a beaker).

Stainless steel or titanium heaters should be used for larger installations.

Stripping rates can be nearly doubled by gentle mechanical stirring:

Stripping rate at 50 ° C = 10 microns per hour (no stirring).

Stripping speed at 50 ° C = 17 micrometers per hour (with stirring)

Stripping speed at 62 ° C = 50 micrometers per hour (with agitation)

The remaining black dirt can be removed by ultrasonic cleaning or scrubbing with a pad.

Identification of the mixture:

Nickel Remover

GHS07

Signal word: Caution

H-phrases:

H317: May cause allergic skin reaction.

P phrases:

P102: Keep out of the reach of children.

P260: Do not breathe aerosol.

P280: Wear protective gloves / eye protection.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P501: Dispose of contents/container to special waste.