

STEP1

CYANIDE FREE PICKLING SOLUTION FOR SILVER AND COPPER

DESCRIPTION

STEP1 is an ambient temperature oxide removal liquid which is 100% cyanide free. Some of the most common problems in plating are defects caused by surface oxidation. These troubles are commonly experienced when plating substrates that include high contents of copper such as brass, silver, or low karat gold. Oxidization on the surface of the substrate can cause:

- 1) Dullness or lack of Shine
- 2) Cloudy Surface
- 3) Poor Adhesion

PRODUCT FORM

Product pH	Acidic
Format	Ready to use liquid
Color of the product	Colorless to pale yellow
Storage time	1 year
Volume	1 L or 20 L

PRODUCT USAGE

RANGE

OPTIMAL

Working temperature [°C]

20 - 30

25

Treatment time [min]

2 - 3

2.5

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RELATED PRODUCTS - INSTALLATION

STEP1.1L

CYANIDE FREE PICKLING SOLUTION FOR SILVER AND COPPER – 1L

ALTERNATIVE PACKAGING

STEP1.20L

CYANIDE FREE PICKLING SOLUTION FOR SILVER AND COPPER – 20L

STEP1

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USER GUIDE

READY TO USE SOLUTION PREPARATION

STEP1 is a ready-to-use degreasing solution. No preparation is required. Pour it directly into working tank and start to work.

WORKING TANK MATERIALS

For a correct use of this product, you are advised to use PVC, polypropylene or PYREX glass tanks provided with thermostat-controlled heaters.

SUPPLEMENTARY INFORMATION

BEST WAY OF USAGE: in order to maximize the result achieved with the antioxidant STEP1 product we suggest to follow this procedure here below:

- Clean the pieces by degreasing to eliminate grease and impurities.
- Rinse well to avoid any drag-in of the degreasing solution into the antioxidant solution.
- Dip the pieces into the antioxidant product for 2-3 minutes at room temperature (about 20 - 25°C);
- Then rinse again.
- Dry with hot air the pieces or, in case of further plating process.
- Proceed with the pre-treatment steps of the same pieces (degreasing, neutralization etc. ...).

WORKING SOLUTION LIFETIME:

degradation of the deoxidizing solution is directly dependent on the quantity of material washed and on the level of contamination present in the solution. It is not possible to determine before the lifetime of the solution. Once exhausted, the solution must be discharged according to the local laws present to this concern.

SAFETY INFORMATION

Classification and designation are noted in the Material Safety Data Sheet (according to the European legislation). The safety instructions and the instructions for the environmental protection have to be followed in order to avoid hazards for people and environment. Please consider the explicit details in our Material Safety Data Sheets.

DISCLAIMER

All recommendations and suggestions in this bulletin concerning the use of our products are based upon tests and data believed to be reliable. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Legor Group, its subsidiaries or distributors, as to the effects of such use or results to be obtained, nor is any information to be construed as a recommendation to infringe any patent.