

Sealing Salt ASL Liquid

A liquid nickel acetate preparation for high grade deposit-free sealing.

1. Properties

Appearance :	green, clear liquid
Chemical character :	nickel acetate and arylsulfonate in aqueous solution
Storage stability :	at last 3 years in closed original containers when stored at 5 - 40°C
Density at 20°C :	1110 kg/m ³
Solubility :	unlimited in water
Ecotoxicological data :	see Safety Data Sheet .

2. Scope of application

Preferably for films dyed with organic dyes, but also for :

- undyed films
- films produced by integral colour processes
- films coloured by electrolytic methods with metal salts
- films inorganically coloured by chemical methods .

3. Application guideline

3.1. One-stage sealing

Sealing Salt ASL Liquid 15-20 g/l,
pH 5,7 ± 0,3, temperature at least 96°C, time 2-3 min/μm .

3.2. Two-stage sealing

Presealing :

Sealing Salt ASL Liquid 15-20 g/l
pH 5,7 ± 0,3, temperature 70-80°C, time 2-5 min

Mainsealing :

deionized water + **Anodal SH-1 Liquid** 2ml/l
pH 5,7 ± 0,3, temperature at least 96°C, time 2-3 min/μm .

4. **Bath analysis**

The following method permits rapid control of the **Sealing Salt ASL Liquid** concentration in the bath.

Principle

Determination of the **Sealing Salt ASL Liquid** concentration by complexometric titration.

Reagents

- *0.1 M-EDTA (ethylenediaminetetraacetic acid)*
Dissolve 37.2 g ethylenediaminetetraacetic acid-disodium salt (MW 372) in water and dilute to 1000 ml in a measuring flask.
Instead of the solid EDTA a ready-made concentrate can be used which is adjusted for the preparation of 1 litre of a 0.1 M-solution, e.g. Titriplex III, No.9992 (Merck).
- *Indicator*
1 g Murexid (purpuric acid, ammonium salt) and
100 g sodium chloride mix and grind as finely as possible.
- *Ammonia solution, pure, approximately 25%.*

Titration

Pipette 100 ml of the Sealing Salt ASL solution clarified by filtration into a 250 ml glass beaker with a stirrer. Add a pinch of indicator (about 50 mg) and 10 ml of ammonia solution. Drop into the initially slightly turbid, brown-yellowish solution 0.1 M-EDTA from the burette until the now clear solution shows a purple colour (with an excessive amount of EDTA the colour will be blue-violet).

Consumption: a ml of 0.1 M-EDTA.

Calculation

Concentration of **Sealing Salt ASL Liquid** in g/l = 1.76 a

For further information see Technical Information **Sealing Salt ASL Powder**.

Many of their dyestuffs, pigments and chemicals are patented by Clariant in numerous industrial countries.

® Trademark of Clariant registered in numerous countries.

®* Trademark registered in numerous countries and licensed to Clariant.

®+ Other Manufacturer's registered trade mark

The signs ®, ®* and ®+ appear only at the first mention of the product.

The information and recommendations presented here were compiled with the utmost care, but cannot be extended to cover every possible case. They are intended to serve as non-binding guidelines and must be adapted to the prevailing conditions.