

Leucophor SHRU2 Liquid

Technical Product Information

A brilliant high white optical brightener for use at the size or in coatings

Leucophor SHRU2 liquid sets new maximum whiteness limits when used at the size press and achieves very high whiteness levels when applied as part of a coating slip, particularly those containing starch, CMC or PVOH as secondary binder.

Leucophor SHRU2 liquid is a hexa sulphonated stilbene brightener which is readily dilutable with water in all proportions and exhibits very good stability to acid, alkali and hard water conditions. It may be used continuously or batchwise as required and is compatible with most anionic and nonionic products. Compatibility with cationic products may vary and should be determined in preliminary trials.

Typical Properties

Appearance	Clear yellow brown liquid
Chemical Character	Anionic stilbene derivative
Density (25°C)	(1,075 a 1,115)g/ml
Gardner Color (Lovibond)	5,0 a 11,0
pH (as supplied)	8,0 a 9,0
Storage stability	Stable for up to 12 months at temperatures less than 40°C protected from light



Application in the stock

Leucophor SHRU2 liquid has a low substantivity when applied at the wet end and is therefore not recommended for application to the stock. Products recommended for stock application include the Leucophor A and U range of OBAs.

Application at the size press

Leucophor SHRU2 liquid is specially recommended at the size press and particularly on wood free grades and grades with only low levels of high-yield pulp. The highest levels of whiteness are achieved when applied from size press solutions containing starch, carboxymethyl cellulose, polyvinyl alcohol or similar binders or sizing agents. Compatibility with cationic components should be determined during the initial trials.

Experience has shown that the desired degree of whiteness is most economically obtained by combined application of the Leucophor A or U range of liquids in the stock with **Leucophor SHRU2 liquid** in the size press, as well as the addition of shading dyes in the stock. Recommended products for this purpose included Cartasol Blue 3RF liquid, Cartasol Blue 3R-EU liquid, Cartasol Violet 3BF liquid and Cartasol Brilliant Violet 5BFN.

Application in a coating slip

Leucophor SHRU2 liquid produces excellent high whiteness levels specially when used in coating slips containing starch, carboxymethyl cellulose, polyvinyl alcohol, casein or similar binders systems.

The most reliable results are obtained when **Leucophor SHRU2 liquid** is added as the last ingredient to the coating slip and provided that good mixing is available, it can be added un-diluted.

A material safety data sheet is available from your local Archroma representative.