

Data Sheet

Lugalvan® IZE

Chemical nature Product of imidazole and epichlorohydrin

Properties

Appearance		liquid
Physical form		clear, yellow
Concentration	100 % - water content	42 - 48 %
Water content	ISO 760, Karl Fischer	52 – 58 %
Density	DIN 51757-1, ASTM D 1298, 20 °C	1.14 – 1.18 kg/m ³
pH	DIN 19268, 20°C	8 – 10
APHA colour	DIN EN 1557	< 850
Viscosity	DIN 53015, 20 °C	10 – 40 mPa·s
Epichlorohydrin content	BASF method	< 1 ppm
Solubility	Miscible with water	

Storage Storage stability in sealed containers min. 12 month
(no special measures necessary providing product is used correctly)

Application

Lugalvan IZE has been developed for use in the formulation of brightener additives for the electroplating industry. Lugalvan IZE acts as a basic brightener in alkaline zinc and zinc-alloy plating, especially in cyanide-free baths.

Lugalvan IZE is usually used in combination with top brighteners. It is normally employed at a concentration of 1-10 g/l. The compatibility of Lugalvan IZE with conventional top brighteners is good. Lugalvan IZE has been shown to perform particularly well in combination with Lugalvan BPC 48, and also with Lugalvan G types.

Lugalvan IZE gives high throwing power and ensures that the plated metal is evenly distributed. It gives high brightness, particularly at low current densities, and it inhibits blistering. Zinc-plated components plated with the aid of Lugalvan IZE are easy to chromate.

Safety

We know of no ill effects that could have resulted from using Lugalvan IZE for the purpose for which it is intended and from processing it in accordance with current practice. According to the experience we have gained up to now and other information at our disposal, Lugalvan IZE does not exert any harmful effects on health, provided that it is used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our Safety Data Sheet are observed.

Note

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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