

PRODUCT 400

Leather Auxiliary

Technical Information

Properties :

Non-ionic water soluble used as a humectant in place of glycerine.

Appearance	:	Colourless, transparent liquid.
Character	:	Non-ionic
Active Content	:	98% ± 2%
pH	:	4.0 – 7.5
Fastness to Light	:	Excellent
Flash Point	:	220⁰C
Average Molecular Wt.	:	285 to 315
Solidification point	:	-10⁰C to 20⁰C
Solubility in water	:	Free soluble
Relative Hygroscopicity	:	60
Caution	:	The product is inflammable and must be kept away from flame. Use of fungicide e.g. SUPERCIDE-BU-30 is a must when using Product 400 in crust Leathers or in the finish formulation.

Behaviour :

Product 400 has been selected out of the wide range of Polyols, as most suitable for use in leather. It is colourless, hygroscopic product like glycerine but its hygroscopicity is 60% as compared to 100% of glycerine, it takes in moisture from the atmosphere more slowly and gives out moisture more slowly than glycerine. Thus it can retain the desired level of moisture in leather or in the finish, more uniformly than glycerine because it is less susceptible to variation in the Rh due to changes in weather. It allows leather to retain minimal moisture especially in places having extremely hot and dry climates. It

does not get affected by light or storage. It is freely soluble in water, it allows crust leather to be wet back more easily.

Application :

Product 400 is used as a humectant for crusting leather meant for rewetting etc. the bath is completely drained. 2% of product 400 on sammed shaved weight is then added to the moving drum. The leather are run for 15 minutes without float, taken out and piled. They are then processed further as usual. In this way the crust leather are much softer and can be staked, buffed etc. much better even with low levels of fatliquors.

This is possible to get a good short nap e.g. for shoe suedes and nappasuedes while using this product in crust leathers it is necessary to use point 0.1% SUPERCIDE-BU-30 in the fatliquor to avoid growth in the crust leathers.

Use 2 to 5 gms. Product 400 Perlitre in the middle and bottom coats along with 2 gms of SUPERCIDE-BU-30 per litre in protein finishes to give mellow and better gloss to the leather after glazing.

Use 0.5% of product 400 on sammed shaved weight along with fatliquor during extremely dry climate to enable leathers to retain minimum level of moisture.

Recommendations are based on current knowledge and experience but without engagement and warranty.