

## DEBAZYM MST

***Special product based on a special enzyme blend designed for lightweight, airy and soft leather manufacture. It can be used between pH 2,5 and 7,0 at temperatures up to 60°C. Leathers treated with exhibit larger surface area, more uniform color and improved dye uptake.***

### **Descriptive properties**

|                   |                                  |
|-------------------|----------------------------------|
| <b>Appearance</b> | : Light cream fine powder mix    |
| <b>pH optimum</b> | : pH 2,5 - 7,0                   |
| <b>pH (1:10)</b>  | : 6,0 - 8,0                      |
| <b>Solubility</b> | : Completely miscible with water |
| <b>Storage</b>    | : Minimum 1 year - dry storage-  |

Debazym MST by its nature has a very wide range of applications in the manufacture of lightweight, airy and soft leathers. The product has significantly increases the surface area yield by reducing wrinkle formation. Soft, airy and light leathers, with improved dyeing quality and higher surface area, are obtained by a more environment friendly enzymatic process.

One quite important aspect of the product is that in tanneries where different origin raw materials are processed by simple but proper addition of Debazym MST to the process the quality of the final leather is shifted towards more standard and higher quality. One even observes a substantial decrease in wrinkles original to the raw material quality.

Debazym MST without causing any looseness dissolves and removes all excess gelatinous material from the fiber and opens the structure so that dyeing, retanning and fat liquoring operations become more effective. Hides and skins treated with Debazym MST become surprisingly lighter in weight compared with normal tanning practice. Cleansing effect associated with the product gives cleaner and even colored leather surfaces. Debazym MST imparts an excellent degree of softness by hydrolyzing unwanted substances in the fiber structure and improves fat liquoring and retanning. Leathers show finer grain pattern and more elastic grain structure is achieved. A very significant increase in the surface area yield is obtained.

In double face manufacture Debazym MST improves the handle, the appearance, the wet ability, the softness and the tensile strength. Felting tendency of the wool is greatly reduced. Much better dye uptake and dye wash fastness values are attained. Soft airy and lightweight fur skins are obtained. Thanks to its specific character Debazym MST can be used in all double-face production process steps from pickle to depickle and repickle, from soaking to rewetting and neutralization.

Unlike other bating products Debazym MST do not cause any wool or hair slippage.

### **Application recipes**

Several processes are being developed based on the application of this product. Please ask for more specific inquiries to our technical staff.

As a general rule of thumb longer contact times of the product with the skins/hides will allow better performance.

### **Packaging**

25 kg in kraft bags.