

## CHROMO DISPERSE-HOW

### Leather Auxiliary

#### Technical Information

#### Properties :

***Amphoteric dispersing agent with softening properties in a highly concentrated form.***

<b>Appearance</b>	:	Colourless, transparent, free flowing liquid.
<b>Character</b>	:	Amphoteric
<b>Active Content</b>	:	98% ± 2%
<b>Solubility</b>	:	Soluble in water in all properties
<b>pH of 10% Solution</b>	:	9.0 to 10.0
<b>Viscosity</b>	:	Low but increases on dilution and then decreases on further dilution.
<b>Compatibility</b>	:	VERY GOOD with anionic, non-ionic and cationic tanning auxiliaries.
<b>Stability</b>	:	To acids, salt and alkalies – VERY GOOD
<b>Important</b>	:	Being a concentrated product, it must be diluted with twice the quantity of water before use.

#### Behaviour :

It is very powerful dispersing agent, detergent and grease emulsifier with a softening action. Being amphoteric in nature its action is evident both in alkaline and acidic range. It is therefore immensely suitable as a dispersing agent for chrome and for natural greases in skin giving uniform distribution of chrome in tanning and retanning bath. It is very useful in the pickle bath, combining the advantages of dispersing, chrome distribution and softening at one stroke. The leathers look cleaner due to CHROMO DISPERSE-HOW used in the pickle or during chrome tanning due to its detergency and grease dispersing property. Due to cleaner leather the dyeing is uniform clean and rich. This auxiliary should not be used in excess because the excess quantity creates foaming in the subsequent neutralizing stage and may affect proper exhaustion of fatliquor etc.

CHROMO DISPERSE-HOW is immensely suitable for all types of leather giving mellow soft leather with round feel. It is most suitable for soft garment and gloving leathers. The fatliquor quantity in the main process may be reduced when CHROMO DISPERSE-HOW is used in the pretanning or retanning process. Its use is also recommended for quick penetration and dispersion of concentrated vegetable extract at low pH e.g. leather drum liquor and in loading.

### **Application :**

Pickling : use 0.5 to 0.75 of CHROMO DISPERSE-HOW on pelt weight along with the salt run for 20 mts. The acid additions are made in the same bath as required. Mineral tanning follows as usual, and further use of CHROMO DISPERSE-HOW in chrome tanning : 0.1% to 0.2% CHROMO DISPERSE-HOW alone with 1 to 4% LEATHEROL-A on pelt weight are mixed well with 20% water and added along with the first addition of chrome in the main tanning. The quantities on the degree of softness required e.g. less for upper and for garment and gloving leather, it can be also used in a similar way for rechroming. Mineral retanning use 0.2 to 0.3% Chromo DISPERSE-HOW along with 1 to 4% LEATHEROL-A on the dry shaved weight of E.I. tanned leather after stripping and washing. The drum is run for 10 mts and the bath pH is now adjusted to between 3.8 to 4.0 with glycolic acid. This is followed by mineral retanning in same bath. The quantity of auxiliaries depend on the softness desired.

### **Crust Fatliquoring of Goat Gloving Leather :**

The skins neutralized to bath pH at 4.8 washed and fatliquored on shaved weight with 30% float. 1 to 2% CHROMO DISPERSE-HOW with 2% LETHERSOFT-GSH and 20% water to dilute the mixture. After this is added and fatliquor is exhausted the bath is drained and skins drummed without float with 2% of PRODUCT 400 for 30 mts. taken out and suspension dried without setting. They are then staked after conditioning, dry drummed and buffed. These leathers can now be rewetted without wetting agents but with little ammonia etc. Crust leathers processed above and stored for long period must be treated with a fungicide 0.1% SUPERCIDE-BU-30 diluted to 20 times with water, mixed with PRODUCT-400 and added slowly to the drum. The drum is

run for 30 mts. and skins suspended to dry. Please note that product 400 is completely washed out in rewetting operation.

**Vegetable Tanning :**

Use 0.5% LEATHEROL A on pelt weight on the pickle before adding the acid. Acid addition to equilibrium pH of 1.0 to 5.5 and extract addition in undissolved powder form will follow as usual for rapid E.I. Tanning in the drum.

Use 0.5% CHROMO DISPERSE-HOW on pelt weight in the final drum liquor for sole leather. This will be automatically carried down the yard. Use 0.1 to 0.2 CHROMODISPERSE-HOW diluted with five times water at the commencement of the loading operation. The quantity is based on the sammed weight of tanned sole leather, other operations follow as usual.

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