



Balmer Lawrie & Co. Ltd.

BALSYN® G 50

Characteristics	:	Gluteraldehyde Tanning Agent
Active content (% w/w)	:	50 ± 2
pH	:	3.0 – 4.0
Solubility in water @ 20° C	:	Miscible
Appearance	:	Colorless to Yellow liquid
Application	:	Balsyn G 50 is a tanning agent for leather. It provides unique cost/performance benefits in leather production and can be used in pre tanning, tanning and retanning steps. It improves finished leather properties when used in combination with other tanning material such as Basic chromium sulphate, aluminium sulphate, vegetable extracts (such as mimosa), phenolic syntans and others. It is an excellent choice for pretanning and retanning of conventional chrome system. However, this chemistry is increasingly being used in the growing free of chrome market. The only limitation is light colored leathers where Balsyn G 50 may not provide required light fastness.
Special features & benefits	:	Improved softness and fullness Resistance to moisture, perspiration and alkalinity Improved chrome utilization Suitability for free of chrome tannages
Performance	:	Balsyn G 50 a tanning agent, alone or in combination with Others produces leather with excellent softness, durability, uniformity and hand. This chemistry has been successfully applied in both chrome and free of chrome systems, in a wide range of products including dress and athletic shoes, gloves and garments, upholstery and automotive. Good results are achieved with a wide range of substrates such as cow, sheep, pig and reptile.

- Retanning of Chrome : Chrome is the single most widely used tanning agent world wide. However,, chrome alone will often not meet the desired leather property such as softness and moisture resistance. Use of Balsyn G50 as retanning agents provides improvements in all of the above areas. In retanning of chrome optimum softness is generally achieved with 3-4 % Balsyn G50
- Free of Chrome tannage : Balsyn G50 can be utilized in many ways to produce FOC leathers, a growing market especially for automotive leathers. Balsyn G50 can be used used in pre tanning or retanning of chrome free metal tannages as well as metal free systems including vegetable extracts and phenolic syntans. In these systems, Balsyn G50 increases shrinkage temperature and provides a softner, fuller more durable leather. The only limitation of Balsyn G50 is tis lack of light fastness.
- Application : Balsyn G50 application rates vary depending upon the presence of other tanning agents and desired leather properties. However a typical starting point is 2 % active Balsyn G50 on the weight of pickled or washed stock. Balsyn G50 should be diluted with approximately equal parts water prior to addition to the tanning float. In order to maximize utilization of these products the float should be minimized. Increasing the concentration improves absorption of the active ingredient and speeds up the tanning reaction. Controlling the pH during Balsyn G50 addition is important to avoid drawn grain resulting from rapid tanning action, reaction rate increases significantly with increasing pH. An initial pH of 2.5 to 4.0 is acceptable. At completion of tanning the pH can be raised using typical alkaline materials such as MgO.
- Safety : A non hazardous industrial chemical should be handled with normal care. Any contact with eyes and or spillage on skins should be washed thoroughly with running stream of water.
- Storage : This product has 24 months shelf life when stored in Original packing in sealed condition at ambient temperature. Protect from moisture & sunlight

Product

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