



SANOTANTM HN

**ORGANIC SYNTHETIC COMPOUNDS
AND CHROME SALT**



ANALYSIS

Appearance	:	light green powder
Chrome content	:	approx : 12 % Cr ₂ O ₃
PH Value (1:10)	:	approx : 3.5 – 4.0
Charge	:	an-ionic

PROPERTIES

SANOTAN HN is a chrome syntan, intended for the production of all types of leathers.

SANOTAN HN can be used in rechroming process to get wet-blue leathers are made uniform colour.

SANOTAN HN imparts very level and uniform dyeing in pastel shades, will also enhance the dyeability.

SANOTAN HN produces leathers with good softness and tight grain and Improves the buffing properties.

APPLICATIONS

SANOTAN HN is normally applied as part of the re-chroming up to 2-3% along with chrome powders.



SANOTANTM AL

PRODUCT BASED ON COMPLEX ALUMINIUM.



ANALYSIS

Appearances	:	White powder
pH:(1:10)	:	Approx : 3.0 – 3.5
Active matter	:	approx.24%
Al ₂ O ₃ content	:	22%± 2%
Solubility	:	Readily soluble in water

PROPERTIES

SANOTAN AL can be used combined with chrome tanning and it gives good buffability and shot nape on suede and nupuck leather.

SANOTAN AL is a light fast cationic tanning agent and is eminently suitable for all type of leather especially for white

leathers. In combination with our other suitable retanning agents, it can be effectively used to avoid rechroming.

Provides smooth and mellow handle;

Imparts very good filling;

Increases the depth of dyes;

Produces short, sharp nap in suedes;

Gives high degree of light fastness.

APPLICATIONS

Chrome tanning : 1-2 %

Chrome free tanning : 2- 4 %

Water proofing : 2-3%



SANOTANTM ALC

CHROMIUM ALUMINUM SULPHATE



ANALYSIS

Appearances	:	Green powder
pH:(1:10)	:	Approx :3.0 –3.5
Active matter	:	Cr Content 10-11% ; Al content 11-12%

PROPERTIES

SANOTAN ALC Can be used in the main chrome tanning and re-chrome tanning combind with chrome powder.

SANOTAN ALC has increase the fullness and tear strength. It imporves the buffing properties and brillent dyeability.

SANOTAN AL can be used for the manufacturing of white leather, suede, nupuck and upper articles.

APPLICATIONS

Suede	:	2-3%
Nupuck	:	2-4 %
Uppers	:	2- 3 %
Wet-White	:	2-3%



SANOTAN™ OSD

**PHENOL BASED REPLACEMENT
TANNING AGENT**



ANALYSIS

Appearance	:	Pale brown powder
Active substance	:	Phenol naphthalene condensate
Active content	:	Approx : 97 %
PH (1:10)	:	Approx : 3 – 4

PROPERTIES

SANOTAN OSD has good mellow tanning properties and is effective in dispersing of other tanning materials used in re-tanning.

SANOTAN OSD has no bleaching property on chrome tanned leather. It can be used for dyed leather with good light fastness.

SANOTAN OSD used in the vegetable tannage improves the rate of the penetration and gives tight leather.

SANOTAN OSD is very suitable to produce suede and nubuck leathers with short nap.

APPLICATIONS

Sheep skins	:	2 – 3 %
Upper leather	:	2 – 4 %
Suede leather	:	3 - 4 %
Splits	:	3 – 5 %



SANOTAN™ DI

PHENOL BASED TANNING AGENT



ANALYSIS

Appearance	:	Pale brown powder
Active substance	:	Phenol naphthalene condensate
Solid content	:	approx : 92 %
PH (1:10)	:	Approx : 3 – 4

PROPERTIES

SANOTAN DI It yields better properties on chrome tanned leather with special reference to fullness, roundness and grain break & smooth surface feel.

SANOTAN DI Is well suited for retanning of Chrome tanned leathers. It has better dispersibility and thus gets uniformly distributed in the leather and gives uniform filling properties.

SANOTAN DI Complex is compatible with all types of phenol and naphthalene based syntans and forms an excellent retanning system with them.

SANOTAN DI Is recommended for full chrome, retanned upper leather, aniline and vegetable tanned leather.

APPLICATIONS

Sheep skins	:	2–3 %
Upper leather	:	2–4 %
Suede leather	:	3-4 %
Splits	:	3–5 %



SANOTAN™ FB

**RESIN TANNING BASED ON
MELAMINE COMPOUNDS**



ANALYSIS

Appearance	:	light beige powder
Solid content	:	98 %
PH Value (1:10)	:	approx : 8
Solubility	:	good

PROPERTIES

SANOTAN FB has good penetrating power which brings about an increase the fullness and the grain tightness.

SANOTAN FB can be used with other anionic syntans and vegetable tanning agents.

SANOTAN FB gives good buffing properties and print retention result is excellent for the article leathers.

SANOTAN FB has level the anionic dyes and which allows through and through dyeing.

APPLICATIONS

For sheep skins	:	2–3 %
For goat skins	:	2–4 %
For hides	:	2–4 %



SANOTAN™ GLN

PHENOL TYPE LIGHT FAST WHITE SYNTAN



ANALYSIS

Appearance	:	white powder
Active substance	:	Phenol condensation product
Solid content	:	approx : 97 %
PH (1:10)	:	3.5 – 4.0

PROPERTIES

SANOTAN GLN is a synthetic tanning agent free from free Phenol and free formaldehyde to suit all types of leathers for achieving fullness, roundness and grain tightness.

SANOTAN GLN can be used all type of leathers to get filling with fine and smooth grain pattern on finished leathers.

SANOTAN GLN enhances excellent light fastness to the leather with more uniform dyeing of pastel colour.

SANOTAN GLN has very good self tanning powder hence it can be used in the production of white coloured finishing leathers.

SANOTAN GLN has strong bleaching effect and hence its addition in the retannage of vegetable tanned leather for improves the colour of final leather.

APPLICATIONS

Garment leathers	:	2-3 %
Uppers	:	3-4 %
White leathers	:	4-6 %



SANOTAN SPO

SULPHONE CONDENSATE PRODUCT



· ANALYSIS

Appearance	:	Cream colour powder
Active substance	:	Sulphone condensation product
Solid content	:	approx : 97%
PH (1:10)	:	3.5 – 4.0
Solubility	:	Completely soluble in water

PROPERTIES

SANOTAN SPO is a synthetic tanning agent free from free Phenol and free formaldehyde to suit all types of leather .

SANOTAN SPO gives good uniform filling effect, roundness and grain tightness.

SANOTAN SPO exhibit high lightfastness and heat-lightfastness properties and it suitable for white and pastel shade leather.

SANOTAN SPO is very suitable for vegetable tanning process to achieve colour fastness of final E.I tanned leather.

APPLICATIONS

The usage percentage can be varied from article to articles. usually used 2 % to 4 % depend up on the leather condition.



SANOTAN P

Amino resin for selective filling of chrome leathers



ANALYSIS

Appearance	: Cream colour powder
Active substance	: Blend of amino resins and colloidal filler
Solid content	: approx : 92 %
PH (1:10)	: 3.5 – 5.0
Solubility	: Completely soluble in water

PROPERTIES

SANOTAN P is a selective filling action for open areas of structure.

SANOTAN P gives good uniform filling effect, roundness and smooth grain and good buffing properties.

SANOTAN P is a retanning resin which is fixed under acid conditions and has a selective filling action which improves the more open structured areas of the leather. Recommended for the production of softy, full grain leathers.

SANOTAN P Powder helps a level dyeing and even applied of fatliquors, resulting a mellow handle. Ideal to use in cow calf, goat uppers and in sheep crusting.

APPLICATIONS

% based on the shaved weight, depending on the required leather character and substance

Softie and milling full grain leathers	:up to 4 %
Corrected grain leathers	:up to 4 %
Nubuck leathers	:up to 4 %
Sheep and goatskin leather	:up to 5 %
Suede leather	:up to 5 %



SANOTANTM AN

**BASED ON AROMATIC SULPHONIC ACID
CONDENSATION PRODUCTS**



ANALYSIS

Appearance	:	Slightly yellowish sticky fine powder	Active
substance	:	Aromatic sulphonic acid condensation products	
Solid content	:	approx : 95 %	
PH (1:10)	:	3.0 – 3.5	
Solubility	:	Completely soluble in water	

PROPERTIES

SANOTAN AN is a synthetic replacement tanning agent, Amphoteric in nature.

SANOTAN AN has compatible with chrome tanning agents and combination tanning agents with anionic dyes and auxiliaries.

SANOTAN AN has uniformly disperses chrome powder and vegetable tannins and it gives excellent fullness in the blank portion of the leather.

SANOTAN AN has very good light fastness and heat resistance properties.

APPLICATIONS

Garment leathers	:	2 - 3 %
Uppers	:	3 - 4 %
White leathers	:	4 - 6 %



SANOTANTM PS **PROTEIN CONTAINING** **CONDENSATION PRODUCTS**



ANALYSIS

Appearance	:	white powder
Active substance	:	aromatic sulphone derivatives
Active content	:	approx : 96-98 %
PH (1:10)	:	approx : 4.5

PROPERTIES

SANOTAN PS gives fullness and uniform thickness to leather, especially in the belly portion.

SANOTAN PS makes tightness of fibres and hence it imparts short nap on suede and nubuck leathers.

SANOTAN PS supports to improvement of the dye leveling and dye intensity to both full chrome and semi chrome tanned leathers.

SANOTAN PS is very suitable for all type of leathers and environment friendly products.

APPLICATIONS

Sheep skins	:	2–3 %
Upper leather	:	2–4 %
Suede leather	:	3-4 %
Splits	:	3–5 %



SANOTANTM DT

Dispersing and penetrating Agent



ANALYSIS

Appearance	:	Light beige powder
Selective substance:		Condensed naphthalene Sulphonates
PH Value (1:10)	:	6.5 -7.5
Active content	:	approx : 90-92 %

PROPERTIES

SANOTAN DT an excellent dispersing action on dye stuffs, tanning and retanning agents.

SANOTAN DT helps to maintain uniform up taken , retanning and vegetable tannins during the dyeing process.

SANOTAN DT Prevents smoth and uniform grain pattern from the grain deposition, due to the excess fatliquors.

SANOTAN DT Promotes well penetrated level dye shades including pastels.

APPLICATIONS

Dispersing of vegetable & synthetic tannins during retanning : up to 2 %

Dispersing anionic dyes : up to 2%

Chrome tannage : up to 1%

vegetable tannage : up to 2% with each addition of tannin.

on sandwich the dye shades : up to 1%



SANOTANTM DCD **DICYNDIAMIDE TANNING AGENT**



ANALYSIS

Appearance	:	light beige powder
Selective substance:	:	modified resin of dicyndiamide
PH Value (1:10)	:	8 -9
Active content	:	approx : 96-98 %
Solubility	:	good

PROPERTIES

SANOTAN DCD is a synthetic tanning agent with filling properties that is free from formaldehyde.

SANOTAN DCD has a selective filling action in the loose structure parts of the leather and giving tightens the grain and good buffing properties .

SANOTAN DCD is compatible with an-ionic products such as dye-stuffs, synthetic and vegetable tanning agent etc.,

SANOTAN DCD gives fullness and uniform thickness to leather especially in the belly portion.

APPLICATIONS

Suede /Splits	:	2 – 3 %
Cow softy upper	:	3 – 4 %
Upholstery	:	4 – 6 %



SANOTANTM FRC **ACRYLIC CO-POLYMER RESIN**



ANALYSIS

Appearances	:	Light yellow amber color clear viscous liquid.
pH:(1:10)	:	Approx :7 –9
Active matter	:	approx.38%
Viscosity	:	>30 cps

PROPERTIES

SANOTAN FRC has been used as pre-tannage and re-tannage of chrome tanned and veg-tanned leathers to improve tightness, selective filling in the loose area and plumping of leather.

SANOTAN FRC has improves fixation during chrome tannage, re-tannage and dyeing process.

SANOTAN FRC is out-standingly light fastness and used in the dyeing bath to get tight grain and fullness.

APPLICATIONS

- ✓ rechroming : 1-2 %
- ✓ retanning : 2-3 %
- ✓ dyeing : 2-3%



SANOTANTM R40 **ACRYLIC RESIN SYNTAN**



ANALYSIS

Appearances	:	Light yellow amber color clear viscous liquid.
Active substance	:	Aqueous dispersion of a multi-carboxylic polymer
pH:(1:10)	:	Approx :3 –4
Active matter	:	Approx.38%

PROPERTIES

SANOTAN R40 is a multi carboxylic polymer tanning agent used for the retanning of all types of leathers. It improves the grain break and fullness of the leather. It imparts excellent buffing characteristics for suedes and corrected grain uppers.

SANOTAN R40 has improves improves the crust colour and body when it is used in the semi chrome bath.

SANOTAN R40 is out-standingly light fastness and used in the dyeing bath to get tight grain and fullness.

APPLICATIONS

- ✓ In main chrome tanning : up to 1 – 2% based on pelt weight
- ✓ In semi chroming : up to 2 - 3% based on shaved weight
- ✓ In rechroming : up to 2 - 4% based on shaved weight



SANOTAN™ RC

MALEIC POLYMER RESIN SYNTAN



ANALYSIS

Appearances	:	Light yellow amber color clear viscous liquid.
pH:(1:10)	:	Approx :7.5 –9.0
Active matter	:	Approx 32-35%
Viscosity	:	>30 cps

PROPERTIES

SANOTAN RC has been used for very tight-grained articles. It reduced the loose portion of empty hides and skins.

SANOTAN RC gives a very good full and rubbery handle.

SANOTAN RC can be also used for all soft articles i.e nappas, garment leather and glove leather .

SANOTAN RC is out-standingly light fastness, it used before fix the dyestuffs improves the belly filling and grain tightness.

APPLICATIONS

- ✓ rechroming : 1-2 %
- ✓ retanning : 2-3 %
- ✓ dyeing : 2-4%



SANOTAN™ RE **ACRYLIC POLYMERS**



ANALYSIS

Appearances	:	Light yellow amber color clear viscous liquid.
pH:(1:10)	:	Approx :6 –7
Active matter	:	Approx.30%
Solubility	:	Readily soluble in water

PROPERTIES

SANOTAN RE is used for retanning chrome leather to improve its fullness and tightness of grain without causing formation of a coarser grain.

SANOTAN RE is perfectly compatible with synthetic and vegetable tanning agents, sulphited fatliquors, anionic dyes and other anionic products, if the pH does not lie below the specified limit. Even small amount will fill the leather without impairing the fitness of grain and will largely retain the typical characteristics of chrome leather despite the use of any vegetable/synthetic retanning agents which may be additionally required.

SANOTAN RE is used for retanning chrome leather to improve its fullness and tightness of grain without causing formation of a coarser grain or impairing the Other properties of the leather as are often the result of other filling retannages with vegetable and synthetic tannins. Before retannage, the leathers must be neutralized throughout the cross section. Most suitable for this purpose are neutralizing agents.

APPLICATIONS

- ✓ retanning : 2-3 %



SANOTANTM DS **DISPERSING SYNTAN**



ANALYSIS

Appearances	:	Brownish powder
pH:(1:10)	:	Approx : 6.5 –8.5
Active matter	:	Approx.90%
Solubility	:	Readily soluble in water

PROPERTIES

SANOTAN DS is a excellent wetting, dispersing, hydrotroping and medium to low foaming.

SANOTAN DS They offer acid and base stability, hard-water tolerance and high temperature stability.

SANOTAN DS It helps a level dyeing and dispersing with various unique properties.

APPLICATIONS

✓ retanning : 1-2 %

Packing: Sanotan Ds powder is available in 25 kg HDPE & Paper bag



SANOTANTM DS **DISPERSING SYNTAN**



ANALYSIS

Appearances	:	Brownish powder
pH:(1:10)	:	Approx : 6.5 –8.5
Active matter	:	Approx.90%
Solubility	:	Readily soluble in water

PROPERTIES

SANOTAN DS is a excellent wetting, dispersing, hydrotroping and medium to low foaming.

SANOTAN DS They offer acid and base stability, hard-water tolerance and high temperature stability.

SANOTAN DS It helps a level dyeing and dispersing with various unique properties.

APPLICATIONS

✓ retanning : 1-2 %

Packing: Sanotan Ds powder is available in 25 kg HDPE & Paper bag



SANOTANTM LA **DYE LEVELLING AGENT**



ANALYSIS

Appearances	:	Beige color powder
pH:(1:10)	:	Approx :6.0 –7.0
Active matter	:	approx.60%

PROPERTIES

SANOTAN LA can be used in all type of shades expecially for the medium and pastel shades with uniform penetration and leveling of dyestuffs.

SANOTAN LA is highly recommanded for manufacture of formaldehyde free leathers and it is eco friendly product.

APPLICATIONS

Dark shades	:	0.5 - 1.0 %
Pastel shades	:	1.0 - 2.0 %



SANOTANTM VC

**RETANNING COMPACT WITH
NATURAL POLYMERS**



ANALYSIS

Appearance	:	Reddish Brown colour powder
Constitution	:	Retanning compact with natural polymers
PH Value (1:10)	:	6 To7
Solid Content	:	75%

PROPERTIES

SANOTAN VC is Used to fill the empty and frayed structures of the hides, giving good fullness.

SANOTAN VC is Improves the frizzing problem because it gives elasticity and fixes the grain.

SANOTAN VC is Compatible with anionic products such as dyestuffs, synthetic and vegetable tanning agents, etc.

SANOTAN VC is Not recommended for white colours.

SANOTAN VC is a Eco-friendly technology and Is 100% biodegradable.

SANOTAN VC is Formaldehyde free re-tanning agent.

APPLICATIONS

Can be used alone or combined with any kind of tanning -retanning product.

For all kinds of Leather, always use 2-6%



SANOTAN™ GS **MIMOSA GS POWDER**



ANALYSIS

Aspect	: Spary dried powder
Appearance	: Golden light Powder
Solubality in water	: Total
PH Value (1:10)	: 4.5 to 5.5
Total Solids	: 90-92 %

PROPERTIES

SANOTAN GS is an suitable product for all types of veg tanning of upper, nubuck, suede and leather goods.

SANOTAN GS It can be use alone or in blended with others vegetables tannins .

SANOTAN GS is lighter coloured mimosa, Its special bleaching process gives no increase the inorganic salts.

SANOTAN GS It can be use in the retanning on chrome tanned leather its give fullness and tight grain which is easy to buff.

SANOTAN GS is a Eco-friendly technology and is 100% biodegradable and Formaldehyde free tannins agent.

APPLICATIONS

For all kinds of Leather, always use 4-10%



SANOTAN™ WS **WATTLE SOLID**



ANALYSIS

Appearance	:	Solid Reddish Brown
Constitution	:	Retanning compact with natural polymers
PH Value (1:10)	:	4.2 to 5.2
Tannin Contents	:	60-62 %

PROPERTIES

SANOTAN WS is a sweetened extract with adjustable PH for readily penetration of the Tannin.

SANOTAN WS was used for all type of leather like goat, sheep, Cow and Buff ect..

SANOTAN WS has very suitable for shoes leather, upholstery leather and leather goods.

SANOTAN WS It can be use in the retanning on chrome tanned leather its give fullness and tight grain which is easy to buff.

SANOTAN WS is a Eco-friendly technology and Is 100% biodegradable and Formaldehyde free re-tanning agent.

APPLICATIONS

E.I tanning

For Goat : 10 to 12%

For Cow : 12 to 15%

For Buff : 15 to 20%

Retanning : 10-12%