



SANOZYMETM PK 112 **FREE SOAKING ENZYME.**



ANALYSIS

Appearance	:	Light yellow liquid
Active substances	:	Blend of proteolytic enzymes and emulsifier
PH value	:	10 -12
Active content	:	Approx 90-92 %
Solubility	:	Fully miscible in water

PROPERTIES

SANOZYME PK 112 is mainly used as an aid a deeper and uniform re-hydration of the dried hides and skins.

SANOZYME PK 112 Maintaining uniformity of soaking form lot to lot and it helps to stabilized of the belly and flanks in the mechanical action of soaking and liming process.

SANOZYME PK 112 is has dissolves the insoluble blood proteins leading to a cleaner re-hydrated hides and skins without increasing the soaking time.

APPLICATIONS

The dosage quantities depend on the soaking time , the raw material type and application type i.e drum or paddle.

Dry-salted hides : 0.3– 0.8 %

Dry-Salted Skins : 0.2 – 0.3 %

Wet-Salted hides : 0.3–0.5 %

Wet-Salted skins : 0.1–0.2 %



SANOZYMETM SK 113 **SOAKING AGENT**



ANALYSIS

Appearance	:	Light Brownish liquid
Constitution	:	Soaking agent
PH value	:	9 -11
Active content	:	Approx 90-92 %
Charge	:	Anionic

PROPERTIES

SANOZYME SK 113 has been used with success on dried and fresh raw material.

SANOZYME SK 113 is mainly used as an aid a deeper and uniform re-hydration of the dried hides and skins.

SANOZYME SK 113 Maintaining uniformity of soaking form lot to lot and it helps to stabilized of the belly and flanks in the mechanical action of soaking and liming process.

SANOZYME SK 113 helps to clean skins from the dirt and the deed hair making next treatments easier and more uniform.

APPLICATIONS

The dosage quantities depend on the soaking time , the raw material type and application type i.e drum or paddle.

Dry-salted hides : 0.2 – 0.5 %

Dry-Salted Skins : 0.2 – 0.3 %

Wet-Salted hides : 0.3 – 0.5 %

Wet-Salted skins : 0.1 – 0.2 %



SANOZYME™ UH

**UNHAIRING ENZYME POWDER FOR
LIMING PROCESS**



ANALYSIS

Appearance : Brown Coloured Powder

PH Value (1:10) : 7-8

Active content : Approx 90-92 %

PROPERTIES

SANOZYME UH has removes total hairs without scope for short hair from the raw hides and skins even though dry salted.

SANOZYME UH has reduce wrinkles and obtain more incremental of leather area with fine grains pattern in the final leather.

SANOZYME UH has improve better absorption and distribution of chrome and increase the tear strength.

APPLICATIONS

Sheep Skin : 0.2 -0.3%

Goat Skin : 0.3 - 0.5%

Buffalo Skin : 0.75 -1.0 %

Storage : one year if properly keep it.



SANOZYMETM AWE

**SPECIAL LIMING AUXILIARY FOR
ANTI - WRINKLE AGENT**



ANALYSIS

Appearances	:	Colourless to light yellow liquid.
Substance	:	Organic compounds
pH:(1:10)	:	Approx :10.0 – 12.0
Active content	:	Approx 94-96 %

PROPERTIES

SANOZYME AWE can be used in the liming stage and it improves the dissolution of lime and accelerated the penetration of lime liquor.

SANOZYME AWE can be used in the painting of lime and sulphide paste for de-hairing sheep and goat skins to get flat belt and fine grain.

SANOZYME AWE has improve the breaking of sulphur linkage and removed of hair-roots and allows excellent stretching of growth marks, so, that the wrinkle marks was reduced drastically.

APPLICATIONS

The percentage may be varied depend upon the condition of raw hides and skins.

Cow hides : 0.6 – 0.8 %

Buff hides : 0.8 – 1.0 %

Goat skins : 0.3 – 0.6 %

Sheep skins : 0.2 – 0.5 %



SANOZYME RLS

SPECIAL LIMING AUXILIARY FOR
ANTI - WRINKLE AND UNHAIRING ENZYME



ANALYSIS

Appearances	:	Brownish powder
Moisture	:	Max 5%
pH:(1:10)	:	Approx : 6.5 – 7.5
Active content	:	Approx 94-96 %
Solubility	:	98%

PROPERTIES

SANOZYME RLS Is a unique enzyme preparation to be used in the liming process and reduce wrinkles for obtain more flat pelts.

SANOZYME RLS can be used to achieve total hair removal without any scope for short hair.

SANOZYME RLS has improve to distribution of Chrome in Chrome tanning and increase in tensile strength.

APPLICATIONS

The percentage may be varied depend upon the condition of raw hides and skins.

Cow hides : 0.5 – 0.7%

Buff hides : 0.8 – 1.0 %

Goat skins : 0.4 – 0.5 %

Sheep skins : 0.2 – 0.4 %



SANOCAL NF

NITROGEN AND AMMONIUM
FREE DELIMITING AGENT



ANALYSIS

Appearances	:	Beige powder
Moisture	:	Max 4%
pH:(1:10)	:	Approx 3.0-3.5
Solid content	:	Approx 92 %
Solubility	:	98%

PROPERTIES

SANOCAL NF Is improved chrome distribution due to even delimiting across the hides or skins.

SANOCAL NF can be used to achieve good grain cleaning effect, helping to reduce short hair, hair-roots and avoids re-absorption of the scud.

SANOCAL NF has improve to reducing growth and neck wrinkles thus improving lay-out.

SANOCAL NF together with Sanopan degreasing agent removes natural fat from the pelt very effectively thus allowing a faster and more even penetration of pickle and tanning.

APPLICATIONS

The percentage may be varied depend upon the condition of raw hides and skins.

Full substance cow/buff hides/sides: up to 2.5 – 4.0 %

Lime split cow/buff hides/sides: up to 2.0 – 3.0 %

Sheep and goat skins: up to 2.0 – 3.0 %



SANOCAL AS **DELIMING AGENT**



ANALYSIS

Appearances	: Light Yellowish Liquid
Moisture	: Max 3%
pH (1%)	: Approx 3
Active content	: Approx 94-96 %
Solubility	: 98%

PROPERTIES

SANOCAL AS is based on a mixture of organic components and ammonium salt with masking ability.

SANOCAL AS can be used to achieve delimes quickly and even for unsplit pelts from large cattle hides.

SANOCAL AS has improve enhances chrome uptake and chrome exhaustion.

SANOCALAS It gives fine and smooth grain pattern.

APPLICATIONS

The percentage may be varied depend upon the condition of raw hides and skins.

1.5 - 3.5 % SANOCAL AS should be added undissolved in 1-2 feeds.



SANOZYME™ AKB **ALKALI BATING AGENT**



ANALYSIS

Appearance	:	Powder, Dedust
Active Substance	:	Proteolytic Enzymes
Active content	:	Approx : 94-96 %
PH Value (1:10)	:	6 To 8

PROPERTIES

SANOZYME AKB is suitable for any types of leather, especially for soft leather.

SANOZYME AKB ensures optimum scud removal from the skin.

SANOZYME AKB produces fine, smooth and elastic grain without increasing the loose grain tendency.

SANOZYME AKB slackens the hide structure gently without causing excessive decomposition of the flanks.

APPLICATIONS

SANOZYME AKB is added 1 % undisloved, together with delimiting agents, or 30 minutes later.

For improved scud release surfactants, e.g. 0.3 to 0.5% **SANOZYME DP**, may be added to the bating bath and run 30 minutes.



SANOZYME™ AKB Conc **ALKALI BATING AGENT**



ANALYSIS

Appearance	:	Powder, Dedust
Active Substance	:	Proteolytic Enzymes
Active content	:	Approx 94-96 %
PH Value (1:10)	:	6 To 8

PROPERTIES

SANOZYME AKB Conc is suitable for any types of leather, especially for soft leather.

SANOZYME AKB Conc ensures optimum scud removal from the skin.

SANOZYME AKB Conc produces fine, smooth and elastic grain without increasing the loose grain tendency.

SANOZYME AKB Conc Slackens the hide structure gently without causing excessive decomposition of the flanks.

APPLICATIONS

SANOZYME AKB Conc is added 0.3 % undisloved, together with deliming agents, or 30 minutes later.

For improved scud release surfactants, e.g. 0.1 to 0.2% SANOZYME DPN, may be added to the bating bath and run 30 minutes.



SANOZYME™ AB **AICD BATING AGENT**



ANALYSIS

Appearance	:	pale brown, free flowing powder
Active substance	:	proteolytic enzymes
Active content	:	Approx 90-92 %

PROPERTIES

SANOZYME AB is acts in acidic ranges between pH 3 – 4.5, and applied to re-bate the pickled pelts, wet-blues and splits.

SANOZYME AB is useful for gloving leather and garment leather when softness of the final leather is required.

SANOZYME AB gives more elastic grain by retaining a fine grain pattern on final leather.

SANOZYME AB can be used on old and de-hydrated imported pickled pelts, in order to re-hydrate the skins, remove the fold marks.

APPLICATIONS

Wet-blue re- bating	:	1.0 – 1.5 %
Wet-backing bath	:	0.5 – 1.0 %



SANOZYME™ UT

ENZYMATIC BATING AGENT



ANALYSIS

Appearance	:	powder, dedust
Active substance	:	proteolytic enzymes on a pancreas base
Active content	:	Approx 95-96 %
PH (1:10)	:	6 – 8

PROPERTIES

SANOZYME UT is an ammonium salt free mild bating agents for any types of leathers.

SANOZYME UT gives more elastic grain by retaining a fine grain pattern in final leather.

SANOZYME UT is used for combination bating and bating of pickled pelts as well as enzymatic slackening of wet-blues and vegetable-tanned crust leathers.

SANOZYME UT improves the feel and the level ness of the an-ionic dye stuffs.

APPLICATIONS

Wet-blue re-bating	:	1.0 – 1.5 %
Neutralizing bath	:	0.5 – 1.0 %
Wet-back bath	:	1.0 – 2.0 %



SANOZYME™ MSCN **HIGH SOFTENING ENZYME**



ANALYSIS

Appearance	: Light Brown Powder
PH Value (1:10)	: 4.5 - 5.5
Solubility	: 95 ± 5%
Active content	: Approx 94-96 %

PROPERTIES

SANOZYME MSCN has specially blend of enzymatic products for high softness in bag leather dry milled leather and gloving leather with good run properties.

SANOZYME MSCN has increased area and improved softness, without impairing strength.

SANOZYME MSCN can be used in the neutralizing both to get permeability and mellowness on upholstery and upper leather.

SANOZYME MSCN has can reduce the amount of fatliquoring is dying bath and get fine grains smoothness and light weight leather.

APPLICATIONS

Upholstery Leather	: 1.0 – 2.0%
Dry Milled Leather	: 0.5 – 1.0%
Cow Glove Leather	: 1.0 – 1.5 %
Sheep Glove Leather	: 0.5 – 1.0%
Splits	: 0.5 – 1.0%
Goat softy	: 0.5 – 1.0%



SANOZYME™ FLN

HI-CONC BATING ENZYMING AGENT



ANALYSIS

Appearance	: Powder, dedusted
Active substance	: fat- splitting enzymes with activator
PH value	: 9.0 – 10.5
Active content	: Approx 94-96 %

PROPERTIES

SANOZYME FLN is a special product with highly concentrated bating enzymes for pickled leathers and chrome tanned leathers.

SANOZYME FLN has the capacity to widely opening the fibres with out disturbs the natural grain structure.

SANOZYME FLN removes scud and most of the non-structural skin proteins.

SANOZYME FLN provides particularly clean, smooth pelts and a high area yield.

APPLICATIONS

Pickled skin	: 0.5 – 0.75 %
Chrome tanned	: 1.0 - 1.25 %
Wetting back	: 1.0 – 1.5 %



SANOZYME™ HSCN

**HIGH SOFTENING ENZYME FOR
ELONGATION OF LEATHER**



ANALYSIS

Appearance	: Light Brown Powder
PH Value (1:10)	: 4.5 - 5.5
Solubility	: 95 ± 5%
Active content	: Approx 94-96 %

PROPERTIES

SANOZYME HSCN has specially blend of enzymatic products for high softness in bag leather dry milled leather and gloving leather with good run properties.

SANOZYME HSCN has increased area and improved softness, without impairing strength.

SANOZYME HSCN can be used in the neutralizing both to get permeability and mellowness on upholstery and upper leather.

SANOZYME HSCN can reduces the amount of fatliquoring in dyeing bath and get smooth and fine grain with light weight leather.

APPLICATIONS

Upholstery Leather	: 1.0 – 2.0%
Dry Milled Leather	: 0.5 – 1.0%
Cow Glove Leather	: 1.0 – 1.5 %
Sheep Glove Leather	: 0.5 – 1.0%
Splits	: 0.5 – 1.0%
Goat softy	: 0.5 – 1.0%



SANOZYME™ DPN

**ENZYMATIC HIGH CONC POWDERED
DEGREASING AGENT**



ANALYSIS

Appearance : Brown Coloured Powder
PH Value (1:10) : 5 - 6
Nature : Special biodegradable powdered degreasing agent
Active content : Approx 94-96 %

PROPERTIES

SANOZYME DPN has deeply penetrate and disperse the natural fats from the hides and skins.

SANOZYME DPN has totally free from solvents and it prevents the leather from fungus growth.

SANOZYME DPN can be used in the liming paste to help the removal of short hair and increase the area of the leather.

SANOZYME DPN can be used to obtain best degreasing effect on imported hides and skins.

APPLICATIONS

	In Liming Paste	In Main Decreasing
Dry Salted Sheep Skins	0.2 – 0.3%	0.3 – 0.5%
Dry Salted Goat Skins	0.3 – 0.5%	0.5 – 0.75%
Indian Goat & Sheep Skins	0.1 – 0.2 %	0.3 – 0.5%



SANOPANTM NS

BIO-DEGRADABLE FATTY AMINE DERIVATIVES OF NON-IONIC WETTING AGENT



ANALYSIS

Appearance	:	Clear viscous liquid
Active substances	:	Ethoxylated Fatty amine derivatives
Active Matter	:	Approx 45 %
PH value	:	8 – 9
Charge	:	Non-ionic

PROPERTIES

SANOPAN NS is a APEO Free and Bio degradable Non-ionic wetting Agent.

SANOPAN NS has good wet-back effect for De-Limined belt , Wet-blue and Crust leathers.

SANOPAN NS is recommended in the soaking of dry-salted preserved raw skins and domestic raw skins.

SANOPAN NS is giving good results in the short operating times for soaking process of all types of raw skin and all other tanning processes.

APPLICATIONS

Soaking of dry-salted skins	:	0.5% to 0.8%
Wet Blue washing	:	0.2% to 0.3%
Wet-backing of crust	:	0.7% to 1.0%
Wet-backing of semi-chrome	:	0.3% to 0.5%



SANOPANTM WET 40 **WETTING AGENT**



ANALYSIS

Appearance	:	Clear viscous liquid
Active substances	:	Ethoxylated derivatives
Active Matter	:	Approx 45 %
PH value	:	8 – 9
Charge	:	Non-ionic

PROPERTIES

SANOPAN WET 40 is a APEO Free and Bio degradable wetting agent.

SANOPAN WET 40 can be used in wet-backing ,washing and emulsifying in different stages in leather processing.

SANOPAN WET 40 can be used in soaking,degreasing, re-chromeing and fatliquoring of chrome tanned and vegetable tanned leather.

APPLICATIONS

Soaking	:	0.2% to 0.3%
Wet Blue washing	:	0.2% to 0.3%
Wet-backing of crust	:	0.5% to 1.0%
Wet-backing of semi-chrome	:	0.5% to 0.8%



SANOWET -282 **WETTING AGENT**



ANALYSIS

Appearance	:	Clear viscous liquid
Active substances	:	Ethoxylated derivatives
Active Matter	:	Approx 35 %
PH value	:	8 – 9
Charge	:	Anionic

PROPERTIES

SANOWET -282 is a APEO Free and Bio degradable wetting agent.

SANOWET -282 can be used in wet-backing ,washing and emulsifying in different stages in leather processing.

SANOWET -282 can be used in soaking,degreasing, re-chromeing and fatliquoring of chrome tanned and vegetable tanned leather.

APPLICATIONS

Soaking	:	0.3% to 0.5%
Wet Blue washing	:	0.3% to 0.4%
Wet-backing of crust	:	0.5% to 1.0%
Wet-backing of semi-chrome	:	0.5% to 0.8%



SANOPANTM EW

ENZYMATIC NON-IONIC WETTING AGENT



ANALYSIS

Appearance	:	Light brown colour liquid
Active substances	:	Ethoxylated Fatty amine derivatives
Active Matter	:	Approx 45 %
PH value	:	6 – 7
Charge	:	Non-ionic

PROPERTIES

SANOPAN EW has improves uniform wetback of dried raw hides and skins by short times.

SANOPAN EW has works in relatively low ph range too. Hence it is used for chrome and vegetable tanned leathers.

SANOPAN EW is enzymatic wetting agent free from nonyl-phenol ethoxylated and APEO.

APPLICATIONS

Soaking of dry-salted skins	:	0.5% to 0.8%
Wet Blue hides and skins	:	0.5% to 1.0%
Wet-backing of crust	:	1.0% to 2.0%



SANOPANTM SF

SPECIAL AUXILIARY FOR PICKLE AND CHROME TANNAGE



ANALYSIS

Chemical Composition	:	Fatty Amine Derivatives
Appearance	:	White Paste
Active Matter	:	Approx 45 %
Ph Value (1: 10):	:	Approx 7
Charge	:	Non-ionic

PROPERTIES

- **SANOPAN SF** can be used into pickling and chrome tanning process. It helps to uniform distribution of the chrome Sulphates even in to belly and flanks portion.
- **SANOPAN SF** can be used before adding of sulphuric acid in the pickling process, it avoids the acid swelling and maintaining fine grain pattern.
- **SANOPAN SF** has very strong emulsifying property helps to long storage dried raw skins, pickled skins and wet blue skins to get as a fresh skins.

APPLICATIONS

Pickling bath	:	0.5 – 1.0 %
Chrome tanning bath	:	1.0 – 1.5 %
For dried skins	:	1.0 – 2.0%



SANOPAN™ DP

**NON-IONIC EMULSIFIER AND
DISPERSING AGENT**



ANALYSIS

Appearance	:	viscous liquid
Active substance	:	90 - 93 %
PH value	:	6 - 9

PROPERTIES

SANOPAN DP comprises excellent wetting, dispersing and emulsifying properties.

SANOPAN DP improves dissolving, emulsifying and removing of natural fats and greases.

SANOPAN DP is free from alkyl phenol, organic solvents and biodegradable.

SANOPAN DP can be helps for good wet-backing and emulsifying the combinations of anionic fat liquors, during the crusting and dyeing process.

APPLICATIONS

SANOPAN DP can be used in all the stages of leather processes, and use this product depend upon the demand of requirement for he processes, varied from 0.5 – 1.0 %, if needs more, may be used in higher percentage.



SANOPANTM OCN

A UNIQUE AND HIGH PERFORMING NON-IONIC SURFACTANT FOR AN EXCELLENT EMULSIFYING CHARACTERS.



ANALYSIS

Appearances	:	Transparent clear Liquid
Nature	:	Long chain alcohol (C10) alkoxyate
Active matters	:	Approx 92 %
PH (1:10)	:	Approx 7.5 – 8
Charge	:	Non-ionic

PROPERTIES

SANOPAN OCN is non-ionic degreasing agent and it can be compatible with the anionic and cationic auxiliaries .

SANOPAN OCN is low foaming and miscible with water in all ratio and dissolves very quickly

SANOPAN OCN is purely biodegradable and effective emulsifier of natural fats .

SANOPAN OCN can be used to obtain best degreasing effect on imported hides and skins.

APPLICATIONS

Pre-soak	:	0.3% to 0.5%
Degreasing in pickling	:	0.3% to 0.5%
Pre-soak of dried skin	:	1.0% to 1.5%
Wet blue wet-backing	:	0.1% to 0.2%
Crust wet backing	:	0.5% to 0.8%



SANOPAN™ DG 773

BIO-DEGRADABLE DEGREASING AGENT



ANALYSIS

Appearance	:	Cloudy viscous liquid
Active substances	:	Combination of fat dissolving emulsifiers
PH value	:	7 – 8
Ionic charge	:	Non-ionic
Active Matter	:	60-62 %

PROPERTIES

SANOPAN DG773 is efficient penetrative degreasing agent on delimed and bated pelt, pickled skin, chrome tanned and crust leather.

SANOPAN DG773 provides outstanding degreasing of higher degree of natural fats and enhances the cleanness of the hides and skins.

SANOPAN DG773 improves the scud loosening, if used during the wet-blue bating process.

SANOPAN DG773 can be used to wet-back on dried hides and skins.

APPLICATIONS

Soaking bath	:	0.2– 0.3 %
Main degreasing bath	:	0.5–0.8 %
Wet-backing bath	:	0.5–1.0 %
Wet-blue degreasing bath	:	0.3–0.5 %



SANOPAN™ DG 663

**ECONOMICAL BIO-DEGRADABLE
DEGREASING AGENT**



ANALYSIS

Appearance	:	Cloudy white viscous liquid
Active substances	:	Combination of fat dissolving emulsifiers
PH value	:	7.0 – 8.0
Ionic charge	:	Non-ionic
Active Matter	:	52-55 %

PROPERTIES

SANOPAN DG663 is solvent free bio-degradable degreasing agent free of nonyl-phenol ethoxylates, suitable for all kind of hide and skins.

SANOPAN DG663 has capacity of emulsifying the natural grease and substantially reduces the surface tension of water to act as a good surfactant.

SANOPAN DG663 can be used in the soaking ,liming, wetblue washing and wet-back the leathers.

APPLICATIONS

Soaking bath	:	0.1 – 0.2 %
Main degreasing bath	:	0.5 – 1.0 %
Wet-backing bath	:	0.50 – 1.0 %



SANOPAN™ EG 553

ENZYMATIC DEGREASING AGENT



ANALYSIS

Appearance	:	Light Brown viscous liquid
Active substances	:	Alkaline lipase enzyme with emulsifiers
PH value	:	Full range
Active Matter	:	58-60 %

PROPERTIES

SANOPAN EG 553 has an alkaline Lipase liquid enzyme preparation which hydrolyses the insoluble fatty substances and oils to glycerides, free fatty acids and glycerol by-products.

SANOPAN DG553 has enhances fat removal without grain and bellies loose. It reduces water and washing in imported raw materials.

SANOPAN DG553 has improves fungicide performance , tear strength and tensile strength especially goat and sheep skins.

APPLICATIONS

Soaking bath	:	0.1 – 0.2 %
Liming	:	0.2 – 0.3
Main degreasing bath	:	0.5 – 0.75 %



SANOTALTM MBL

A Unique Eco-friendly Bactericide for Raw skins



ANALYSIS

Appearance	:	yellow light brown solution
Solubility	:	Soluble in water
pH (1:10)	:	10-12

PROPERTIES

SANOTAL MBL has prevents the growth of bactericide on raw materials of hides and skins.

SANOTAL MBL is readily dilutable with water and has a strong destructive action on bactericide of wide spectrum. It should be added to water as opposed to water being added to it. The dilution of this product is stable in soft water as well as in hard water. It inhibits hydrolysis of fatty materials present in the leather due to fungal activity.

SANOTAL MBL can be used in the re-salting of raw materials for long storage and in the soaking process.

APPLICATIONS

In re-salting of hides and skins:-

0.03 to 0.06% on weight of the common salt is used to reduce the incidence of red heat.

In Soaking of hides and skin:-

0.02 -0.06% is added along with wetting agent to the soaking bath



SANOTAL ECO Conc

A Unique Eco-friendly Fungicide



ANALYSIS

Appearance	:	Brownish liquid
Solubility	:	Soluble in water
pH (1:10)	:	8.5 – 9.5

PROPERTIES

SANOTAL ECO Conc passes as powerful fungicidal properties. It has variety of uses in leather industry as a preservative.

SANOTAL ECO Conc is phenol-free organic antifungal agent which counteracts mould growth on hides and skin during tannery processing and subsequent storage. It is specially recommended to prevent fungal attack on pickled pelts, wetblue, veg-tanned leathers or re-tanned leathers.

SANOTAL ECO Conc is readily dilutable with water and has a strong destructive action on fungi of wide spectrum. It should be added to water as opposed to water being added to it. The dilution of this product is stable in soft water as well as in hard water. It inhibits hydrolysis of fatty materials present in the leather due to fungal activity.

SANOTAL ECO Conc can be used as a fungicide in tanning, pickling stage, chrome tanning, fatliquoring and dyeing processes.

APPLICATIONS

- In vegetable tanning :-
2-2.5 parts per 10,000 parts of the tan liquor is recommended.
- In chrome tanning :-
0.1-0.02% on pelt weight is recommended.
- In fat liquoring :-
0.1-0.2% on pelt weight of leather is used.
- In Dyeing :-
0.2 -0.3% on crust weight of leather.



SANOTALTM MF

A Unique Eco-friendly Fungicide and Bactericide



ANALYSIS

Appearance	:	Greenish Yellow thick mass
Solubility	:	Soluble in water
pH (1:10)	:	8.5 – 9.5

PROPERTIES

SANOTAL MF passes as powerful fungicidal and bactericidal properties. It has variety of uses in leather industry as a preservative.

ANOTAL MF is phenol-free organic antifungal agent which counteracts mould growth on hides and skin during tannery processing and subsequent storage. It is specially recommended to prevent fungal attack on pickled pelts, wetblue, veg-tanned leathers or re-tanned leathers.

SANOTAL MF is readily dilutable with water and has a strong destructive action on fungi of wide spectrum. It should be added to water as opposed to water being added to it. The dilution of this product is stable in soft water as well as in hard water. It inhibits hydrolysis of fatty materials present in the leather due to fungal activity.

SANOTAL MF can be used as a fungicide in tanning, pickling stage, chrome tanning, fatliquoring and dyeing processes.

APPLICATIONS

In curing of hides and skins:-

0.04 to 0.08% on weight of the common salt is used to reduce the incidence of red heat.

· In Soaking of hides and skin:-

1.0 – 2.0 g/l is added along with wetting agent to the soaking bath

· In vegetable tanning :-

2-2.5 parts per 10,000 parts of the tan liquor is recommended.

· In chrome tanning :-

0.1-0.02% on pelt weight is recommended.

· In fat liquoring :-

0.1-0.2% on pelt weight of leather is used.

· In Dyeing :-

0.2-0.3% on crust weight of leather.



SANOTAL FC-L

Preservative for the leather process against mold fungus



ANALYSIS

Appearance	:	Clear Brownish liquid
Solubility	:	Partially miscible with water
Density (20°C)	:	approx. 1 kg/l (20°C)

PROPERTIES

SANOTAL FC-L is a special combination of active ingredients for preserving wet blue during the manufacturing process and subsequent storage.

SANOTAL FC-L has good compatibility with chrome tanning systems, particularly high-exhaustion and self-basifying chrome tanning systems.

SANOTAL FC-L can be added in the pickling process, 15min before added the sulphuric acid or a few minutes after the common salt.

SANOTAL FC-L is not compatible with strong oxidizing or bleaching agents such as sodium chlorite (NaClO_2)

APPLICATIONS

Special notes

Sanotal FC-L required amount of the quantity to give adequate protection against mold fungi, e.g. the relatively fat content of the skins or hides, the thickness or density of the fiber structure of the skins or hides.

Sanotal FC-L is required the larger quantities, if the skins or hides have a high fat content.

Usage for the preservation of wet blue

0.20 - 0.40 % calculated on pelt weight

0.25 - 0.50 % calculated on pelt weight (in tropical climates)



SANOTAL APN

A Unique Eco-friendly Fungicide and Bactericide



ANALYSIS

Appearance	:	Light brownish liquid
Solubility	:	Soluble in water
pH (1:10)	:	10.0 – 11.5
Active content	:	Approx 32-35 %

PROPERTIES

SANOTAL APN passes as powerful non phenolic , non cresol based bactericide and fungicide. It has been used in the different stage of leather processes.

SANOTAL APN has a highly reactive preservative to use in soaking , pickling ,chrome tanning, fatliquoring and dyeing processes.

APPLICATIONS

In curing of hides and skins:-

0.1 - 0.2 % In the soaking bath

0.2- 0.4% In chrome tanning on pelt weight In fat liquoring

0.2- 0.3% In fat liquoring on pelt weight.

0.2 -0.3% In Dyeing on crust weight of leather.