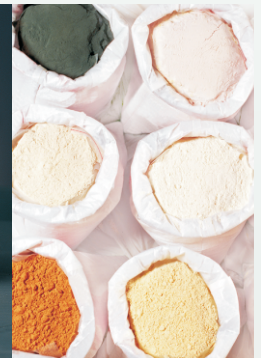


Enabling
history
sustain



Dear Customer,

HARYANA presents this brochure to help you browse through our updated range of Syntans, Fatliquors and Finishing chemicals, and to let you select the most appropriate products for your leathers.

While speed in production and up-gradation dictated past few decades of leather chemistry, sustainability and REACH compliances will govern your next few decades. Reducing dependence on fossil fuel-based raw materials; incremental substitution of Petro-based products with biodegradable materials, and regulating banned substances are your growth challenges. Formulations presented in this brochure are carefully designed to enable you address these challenges.

All HARYANA products are REACH compliant and potentially reduce wastewater, sludge and VOC emissions to prevent any harm to consumer or the environment. Using clean technology practices, you will find it easy to align ecological soundness and technical performance - be it automotive leather or children's footwear. For more detailed information, please refer to the technical information leaflets and safety data sheets of individual products. Our local representatives are available to assist you on matters that require special attention, or else please feel free to contact us at : **info@leatherchem.com**.



GLOBAL PRESENCE



JV Partner - ICAP SIRA, Italy

Technical alliance - VISMON, Spain



- Heavy Metals & Chrom VI - free
- Arylamines (Azo group), Forbidden Amines - free
- AP/APEOs - free
- PFCs, SCCP - free
- Formaldehyde - free (except * marked)
- Complies with VOC emission requirements for leather
- Meets INDITEX-CTW standards

REPLACEMENT SYNTANS

REPLACEMENT SYNTANS			% Solid	pH
	Syntan PM	General purpose replacement Syntan for "Phenol & Formaldehyde free" leathers.	97	3.5
NEW	Syntan PM-N	Replacement Syntan with enhanced filling and body for "Phenol & Formaldehyde free" leathers.	97	3.5
	Syntan PMX	Lightfast replacement Syntan for white or pastel, "Phenol & Formaldehyde free" leathers.	97	3.5
	Syntan NX *	Soft, lightfast replacement Syntan for brilliance in dyeing, medium fullness and even milling.	97	4.0

MULTI-FUNCTIONAL SYNTANS

MULTI-FUNCTIONAL SYNTANS			% Solid	pH
NEW	Tanone SPX	Innovative Di-Sulphone lightfast replacement Syntan having grain tightening properties for clean white leathers (wet-blue & wet-white), with excellent fullness & spring.	95	3.0
NEW	Tanone EB-L	Liquid Di-Sulphone lightfast replacement syntan having grain tightening properties for clean white leathers (wet-blue & wet-white), with excellent fullness & spring.	40	5.0
NEW	Tanone H-MK	Multifunctional lightfast syntan based on Di-Sulphone, protein and polymeric filling agents for strong filling of loose areas. Leathers retain a tight and fine grain without becoming hard.	95	6.5
NEW	Tanone HS	Di-Sulphone & Carboic tannins blended with grain tightening resins for exceptional softness and fullness. Ideal as self-tanning agent for "chrome-free" leathers.	97	3.5
NEW	SMA-Tan 22	Grain tightening Styrene-Maleic Resin for loose and empty structures. Keeps grain soft and elastic, makes leather bouncy. Ideal for milled and soft leathers.	18	9.0

VEGETABLE TANNAGE - FUNCTIONAL BLENDS

VEGETABLE TANNAGE - FUNCTIONAL BLENDS			% Solid	pH
NEW	Vegatan H-EM	Versatile compact blend of vegetable extracts, acrylic resins and Carboic condensates. Imparts tight grain, mellowness, fullness, buffability and dye brilliance.	95	4.5
NEW	Vegatan SI	Alternative to vegetable tannin for chrome tanned or "chrome-free" leathers. Less sensitive to iron spots, perfect filling, fine and firm grain, heat & light fast.	95	3.0

FILLING / PROTEIN SYNTANS

FILLING / PROTEIN SYNTANS			% Solid	pH
	Syntan T	Di-cyan Di-amide filling syntan for retanning chrome leather. It fills loose areas, tightens grain, improves feel, levels dyeing and permits good buffing and embossing.	97	9.5
	Syntan R-MF *	Lightfast Melaminic filling syntan for improved fullness and good dyeing.	97	7.5
	Syntan PR	Protein filler that directly attaches to empty parts, tightens, does not bleach.	97	8.5
NEW	Syntan ZFM	Melamine-aliphatic polyaldehyde condensate, adds "Zero Formaldehyde" to leather. Permits fuller handle and tighter grain as compared to conventional melamine resins.	95	7.5

PENETRATING / BLEACHING / PRE-TANNING SYNTANS

PENETRATING / BLEACHING / PRE-TANNING SYNTANS		% Solid	pH
Syntan S/PT *	Syntan for deep penetration, improved buffing in suedes, exceptional nap & brilliant dyeing.	97	7.5
Syntan BL	Bleaching syntan for vegetable tanned or retanned leather to paler colours.	97	1.5
NEW Syntan VT	Pre-tanning & bleaching auxiliary for increasing efficiency / uptake of vegetable tannage.	93	3.5

DISPERSING / NEUTRALIZING SYNTANS

DISPERSING / NEUTRALIZING SYNTANS		% Solid	pH
Syntan OM	Highly dispersing, neutral syntan for dye penetration and efficient tannin uptake.	97	7.5
Syntan PRS *	Lightfast dispersing syntan, imparts deeper shades, does not overload grain.	97	7.0
Syntan NT	Neutralizing agent, levels out dyeing and fatliquoring, avoids chrome precipitation.	98	8.25

ACRYLIC RETANNING EMULSIONS

ACRYLIC RETANNING EMULSIONS			% Solid	pH
NEW	Tan-Cryl HF	Lightfast, polymeric retanning agent which can be used at wide range of pH, suitable for wet white too	35	4.5
	Retan 300	Polymeric lubricating cum retanning agent (oil & silicon free) for lightweight, lightfast hydrophobic leathers that are fluffy.	36	8.0
	Retan 38	Lightfast, acrylic polymer for retanning . Fills leather without impairing grain, levels dyeing.	38	7.0
	Retan OR	Colloidal acrylic syntan to plump specific loose areas. Highly lightfast, improves thermal stability.	37	3.0
	Retan EML	Vinyl Co-polymer emulsion for reducing stretchiness of fibres & looseness, makes leather firmer.	36	5.0



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EXTRA SOFT & LIGHT WEIGHT FATLIQUORS

		% Active	pH
NEW	Neophol U 60	Fatliquor for outstanding softness, mellow & nourished feel for garments and soft uppers. Lightfast sulphited synthetic + natural sulfated compounds.	55 7.0
NEW	Nouvol S 49	Fatliquoring agent for upholstery, very soft clothing and boot nappa leathers requiring high heat/light resistance. Based on neutral odour synthetic oils, softeners + emulsifiers.	65 7.0
NEW	Neophol CX	Phospho-Polymeric softening fatliquor for cloth like, light weight handle.	65 7.0
NEW	Neophol S 66	Fibre relaxing polymeric softening agents for flat grained leathers.	38 7.5
	Nouvol SR	Phospho-Polymer, main fatliquor for very soft leathers, penetrates deep for excellent softness, fluffy handle and pleasant touch. Crusts are odourless, whiter and light/heat resistant.	55 7.0
	Uphol PFK	Lubricating polymers for tight smooth grain, improved fullness, spring and level dyeing. Excellent stability in electrolyte, fully lightfast and prevents heat yellowing.	55 7.0
	Nouvol LS 55	Lecithin fatliquor for very soft articles requiring fullness & crushable handle.	52 8.0
NEW	Neophol L 72	Polymeric softening agent for soft, airy fullness and washability.	48 7.5
	Nouvol SV	Inverse emulsion of water in oil for soft and damp touch.	52 7.0
	Nouvol PK	Multifunctional, highly dispersing phosphoric ester with great penetration and crosslinking to fibre. Produces leathers having a very soft touch with light handle.	52 7.5
NEW	Neophol HMK	Fibre relaxing polymeric softening agents for flat grained leathers. Penetrates deep for excellent softness.	40 7.5
NEW	Uphol MX	Softening fatliquor for extremely deep softness, stretch-ability and roundness for gloving, upholstery. Imparts inner softness, sophisticated feel & team strength.	48 7.5

CONVENTIONAL FATLIQUORS

		% Active	pH
	Maradol C	Deodorised sulphited marine oil for full & soft leathers with warm handle.	60 8.5
	Luber® G 60	Multipurpose sulphited sperm oil substitute fatliquor. Used as main fat or in combination.	60 8.5
	Luber® NF	Sulphonated neatsfoot oil substitute for very full and tight grained upper and suedes.	60 7.0
	Uphol 9R	Deodorised Bisulfited fish oil + Synthetic tri-ester blend for softness, fullness & tight grain.	60 8.5
	Luber® SN	Fully synthetic fatliquor, electrolyte stable, lightfast, for tight grain & full handle.	65 7.5
	Luber® SAS	Compact fatliquor for high softness, fullness, wet & waxy feel.	65 7.5
NEW	Neophol S 66 R	Compact fatliquor with synergy of concentrated polymeric softeners and phosphated ester.	38 7.5
	Lubotop AM	Emulsified blend of stable / lightfast free-oils. Penetrates deep for level grain & dyeing.	50 6.0
	Glovol HSN	General purpose fatliquor - phosphated & synthetic blend for deep softness, damp / waxy feel.	50 7.5
	Glovol AS 29	Universal synthetic fatliquor to be used as anionic combination component.	50 7.0

WATERPROOFING FATLIQUORS

		% Active	pH
	Repallon ESW	Water-repelling phospho-esters for soft/silky touch. Prevents white spots. Improves tear.	60 7.0
	Repallon SRW	Siliconic additive to enhance water repellence.	100 -
NEW	Repallon EX	Polymeric (silicon free) waterproofing fatliquor for higher Bally and Maeser values.	60 7.0

AUTOMOTIVE FATLIQUORS

		% Active	pH
NEW	Uphol LF 60	Low fogging sulphited Oleo-Esters. Excellent heat-light fastness, softness and grain tightness.	60 8.5
NEW	Uphol UF-SR	Low fogging, Polymeric sulpho-esters. High Penetration for softness & fluffy handle. Excellent heat-light fastness.	45 7.0

EMULSIFIERS - DEGREASERS - CATIONIC FATS

		% Active	pH
NEW	Bio-Surf 1000	100% bio-degradable, non-ionic wetting & dispersion agent based on vegetable feedstock.	50 7.5
	Sintol ALX	Dispersing agent with excellent penetration for chrome tanning salts, syntans and dyes.	50 8.0
	Degresol UF 100	Highly concentrated, high efficiency degreasing agent for sheep skins, pigs and goat skins.	70 8.0
NEW	Degresol UF 60	General purpose degreasing auxiliary for the leather and fur industry.	45 8.0
NEW	Catanol DW	Cationic fatliquor used as handle modifier at the end of process. Prevents dry grain.	50 4.5

Luber® is a registered trademark owned by HARYANA



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ACRYLIC RESINS & BINDERS

		% Solid	pH
Acril-m Y 62	Impregnation resin, medium soft, highly versatile, for corrected grain shoe upper.	30	6.5
Acril-m Y 26	Very soft Impregnation resin for full grain leather.	20	8.0
Acril-m Y 93	High solid impregnation resin, medium hard, universal application for corrected grain leather.	38	7.0
Acril-m M 701	Micro binder, soft, self crosslinking for highly natural look, and good cold crack resistance.	20	8.0
Acril-m S 6072	Soft binder for naked look - minimal loading.	36	5.0
Acril-m S 55	Very soft binder for excellent feel and good elongation properties.	34	6.0
Acril-m S 8/1	General purpose soft binder, highly versatile for excellent adhesion and anchorage.	35	6.0
Acril-m S 60	High solid soft binder, thermo-crosslinkable for buffed leathers.	48	6.5
Acril -m S 6755	Medium soft binder for good filling, adhesion and dry/wet rub fastness.	36	7.0
Acril -m X 858	Medium soft binder, self crosslinkable for good cold crack, high water & solvent resistance.	35	9.5
Acril-m X 01	Medium soft transparent binder for high flex endurance and water resistance.	34	8.0
Acril-m X 79/60	Main binder, medium soft & flexible, good cold crack resistance, for heavily corrected leather.	36	5.0
Acril-m KT 35	Soft cationic binder - can partly replace cationic polyurethane binder.	35	2.5
Resina 60	Thickening acrylic for roller / curtain coating of base coat finishes.	29	3.0
NEW Tuf-Cryl VSF	Plasticizing acrylic binder with very soft film-exceeds any previous standards. APEO/NPEO free.	40	5.0
NEW Tuf-Cryl DX	Acrylic binder with excellent Cold-Crack performance (-25°C) for high flexometer values	40	6.0

POLYURETHANE BINDERS

		% Solid	pH
Urez 891	Aliphatic PU binder, medium soft, high solid, used as main binder for intercoat adhesion.	35	7.5
Urez 268	Aliphatic PU binder, economical, medium hard, good milling properties.	30	7.5
Urez 898	Aliphatic PU binder with pleasant waxy touch.	30	8.0
Urez 894	Aliphatic PU, used as main binder with tough, elastic & high endurance film.	30	8.0
Urez 591	Aliphatic PU binder, general purpose - medium soft.	12	7.5
Urez 899	Aromatic PU binder having very soft film with excellent intercoat adhesion.	18	7.5
PUD 48 KT	Very soft cationic, aliphatic PU binder.	23	6.0
PUD 40 KT	Soft cationic, aliphatic PU binder.	20	5.5

POLYURETHANE TOP COATS

		% Solid	pH
Utop 161	High solid, high gloss aliphatic PU top coat.	32	8.0
Urez 785 G	Aliphatic PU top coat - glossy.	25	8.0
Urez 785 M	Aliphatic PU top coat - matt.	22	9.0
Utop Matt	Aliphatic PU top coat - matt - having smooth feel with anti scratch additives.	17	9.0
NEW Regella Top M1	Matt PU-top coat, natural touch, and a uniform well levelled matting without greying for high end upholstery / bag leathers.	18	9.0

PROTEIN BINDERS

		% Solid	pH
Protop 18	Fairly plasticised Protein Binder, used as main binder for galzed and polished finish.	15	8.5
Protop SP	Polyamide based, plasticised Protein Binder for higher fastness and flexibility.	18	8.5
Glaze Top N	Medium soft Protein Binder with wax and feel modifier for silky touch and gloss.	13	8.5
Glaze Top EC	Medium soft Protein Binder with special waxes and anti sinking agents.	12	8.5
Glaze Top LM 58	Hard Protein Binder for use as final top coat.	10	8.5
GlazEx 72	Waxy polishable Protein Binder for soft and silky feel.	13	8.5
Brillento 91 KT	Cationic Protein Binder, medium hard, improves polishability of pre-grounds.	6	3.0

COMPACTS - PU and ACRYLICS

		% Solid	pH
Compact 15	Medium soft Compact containing highly versatile acrylics, waxes and modifiers.	24	9.0
NEW Compact 24	Dull Compact with good hiding power and rub resistance.	30	9.0
Uphin 100	PU -compact with excellent cold crack properties. Forms flexible film having very soft feel.	23	9.0
NEW Uphin 21 WX	Compact binder with a unique natural waxy-oily touch and excellent Cold-Crack performance	25	8.5



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- Phthalate - free
- NMP, NEP and DMF - free
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LACQUERS - AQUEOUS & SOLVENT

LACQUERS - AQUEOUS & SOLVENT			% Solid	pH
NEW	Haquatop 328	Highly concentrated, high fastness, high gloss water dilutable top coat.	26	7.0
NEW	Hicalac W 309	NC top coat, aqueous, non loading, low gloss, warm waxy feel for high end nappas and softy.	12	8.5
	Hicalac 316	Medium gloss lacquer emulsion for top or intermediate coat.	17	8.5
NEW	Hicalac 312	Medium gloss, general purpose lacquer emulsion.	12	8.5
	Hicalac Matt	Dull lacquer emulsion with a pleasant feel.	16	8.0
	Aquasol W 100	Self emulsifiable lacquer top coat - water and solvent dilutable.	28	7.0
	Top 46®	Highly concentrated, solvent dilutable, high gloss top coat.	42	-
	Matt Top®	Solvent dilutable matt top finish with a feel modifier for smooth handle.	12	-
	Clear Top	Collodian free (NC free), CAB based clear, non-pigmented top coat - solvent dilutable.	15	-
	White Top	Collodian free (NC free), CAB based white pigmented top coat - solvent dilutable.	23	-
NEW	Finilac-CLF	Collodion-free (nitro-free) aqueous lacquer emulsion of cellulose ester, having medium gloss.	15	8.0

FILLERS & WAXES

FILLERS & WAXES		% Solid	pH
Wax 16/S	Wax dispersion with Protein & Silicones - reduces tack and imparts soft and pleasant touch.	15	9.0
Neowax ST	Non-ionic wax emulsion for full and smooth feel and strong masking action.	8	8.5
Filler 50	Wax emulsion based on soft waxes for improving touch and masking defects.	7.5	9.5
Filler 12/61	Colloidal filler (free from waxes) for filling heavy defects, snuffed leather and splits.	22	7.5
Celina P 73	Polish wax for full grain aniline leathers - ground coat for glossy aniline.	22	8.0
Celina P 31	Wax emulsion for Burnishing effect - blend of natural and synthetic waxes.	22	8.5
Celina BW	Burnishing wax emulsion - Carnuba wax based.	30	7.0
Filler KT	Mildly Cationic waxy filler and feel modifier (binder free), for polishing pre ground.	20	6.0

TOUCH MODIFIERS - AQUEOUS & SOLVENT

TOUCH MODIFIERS - AQUEOUS & SOLVENT			% Solid	pH
NEW	Sensallion W	Waxy feel modifier, water dilutable, for soft feel, natural look on high end garment/bag leathers.	36	8.0
	Finish M 45	Non-ionic Slip Agent / modifier - water dilutable. Also suitable for cationic finishing system.	16	7.5
	Finish M 15	General purpose emulsified Siliconic modifier - water dilutable.	7	7.0
	Modifier CA/2	Cationic modifier with waxy feel - water dilutable. Also suitable for cationic finishing system.	9	7.5
	Celina 34 KT	Cationic feel modifier with anti static properties - water dilutable. Recommended for PUDs.	12	6.5
	Modifier WS	Water based touch modifier for greasy / buttery feel.	38	9.0
	Touchlon S 55	Solvent dilutable Slip Agent based on Amino Silicones.	11	-
	Modifier 32	Amino Silicon, solvent based Slip Agent.	12	-

CORRECTION AGENTS FOR DEFECTS

CORRECTION AGENTS FOR DEFECTS			% Solid	pH
	Primer PFR	Soft primer for defect coverage, upgradation and feel improvement.	19	9.0
NEW	Stuko HKC	Mender Putty for defect coverage. Based on PU binders and Microspheres.	27	9.0

PULL-UP OILS & AUXILIARIES

PULL-UP OILS & AUXILIARIES		% Solid	pH
Pullol 411	Pull-Up oil with a dry touch-in solvent medium.	92	-
Waxol WP	Solvent Pull-Up wax blend for dark pull-ups with a warm waxy feel, applied by heated roller.	92	-
Luber® LMC	Solvent dilutable synthetic / natural Pull-Up oil blend.	98	-
Pull-up 30	Oily filler for a light Pull-Up effect and an oily touch (timberland finish) - water dilutable.	98	-
Pull-up Wax 58	Additive wax for Pull-Up or crunch effects. Waxy and smooth feel, enables high temp plating.	30	6.5

PENETRATORS & LEVELLING AGENTS

PENETRATORS & LEVELLING AGENTS			% Solid	pH
NEW	Luber® 205	General purpose penetrating agent.	5	4.0
	Luber® 150	Highly flexible Phosphated penetrating agent for more controlled penetration.	19	9.5
	Leveller 168	Surface tension modifier, levelling agent.	8	8.0

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CATIONIC FINISHES

		% Solid	pH
PUD 48 KT	Very soft cationic aliphatic PU Binder.	23	6.0
PUD 40 KT	Soft cationic, aliphatic PU Binder.	20	5.5
Acril-m KT 35	Soft cationic binder - can partly replace cationic polyurethane binder.	35	2.5
Brillento 91 KT	Cationic Protein Binder, medium hard, to improve polishability of pre-grounds.	6	3.0
Filler KT	Mildly cationic waxy filler and feel modifier, binder free for polishing pre ground.	20	6.0
Finish M 45	Non-ionic Slip Agent / modifier - water dilutable. Also suitable for cationic finishing system.	16	7.5
Celina 34 KT	Cationic feel modifier with anti static properties - water dilutable. Recommended for PUDs.	12	6.5
Modifier CA/2	Cationic modifier with waxy feel - water dilutable. Also suitable for cationic finishing system.	9	7.5
Black 33 KT	Cationic black pigment dispersion.	30	4.0

PIGMENTS & DYE SOLUTIONS

		% Solid	pH
Pigments` Nano [®] Series	Anionic nanosized (very fine particle size) pigment dispersions - near casein free.	Refer Table 1	
Novolene [®] Series	Anionic dye solutions - high brilliancy type.	Refer Table 2	
Novolene [®] HC' Series	Anionic, high concentration, high brilliancy dye solutions.	Refer Table 2	

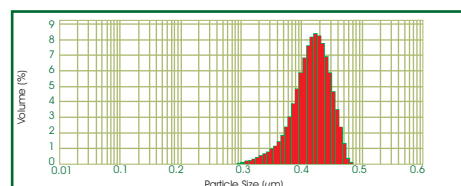
Nano[®] Series Technical Data Table 1

colors	Solids	pH	Nature
Deep Black	20 ± 1%	8.5-9.5	Organic
Black 12	19 ± 1%	9.5-10.5	Organic
Black Super	17 ± 1%	9.5-10.5	Organic
Brown 8	34 ± 1%	9.5-10.5	Inorganic
Brown 80	34 ± 1%	9.5-10.5	Inorganic
Brown 89	34 ± 1%	9.5-10.5	Inorganic
Tan	34 ± 1%	9.5-10.5	Inorganic
Yellow 326	34 ± 1%	9.5-10.5	Inorganic
Yellow ORG	26 ± 1%	9.5-10.5	Organic
NEW Yellow CF	28 ± 1%	9.5-10.5	Organic
Fire Red	26 ± 1%	9.5-10.5	Organic
Bordeaux	25 ± 1%	9.5-10.5	Mixed
NEW Orange LF	28 ± 1%	9.5-10.5	Organic
Blue 1	25 ± 1%	9.5-10.5	Organic
Blue 9	24 ± 1%	9.5-10.5	Organic
White	50 ± 1%	7.0-8.0	Inorganic

Novolene[®] & 'HC' Technical Data Table 2

colors	Novolene	Novolene-HC
Black	8±1%	13±1%
Brown	8±1%	12±1%
Red	8±1%	10±1%
Orange	8±1%	12±1%
Yellow	8±1%	12±1%
Blue	8±1%	10±1%
Green	8±1%	10±1%
Pink	8±1%	10±1%
Purple	8±1%	10±1%

Nano[®] Series Pigments-Particle size distribution



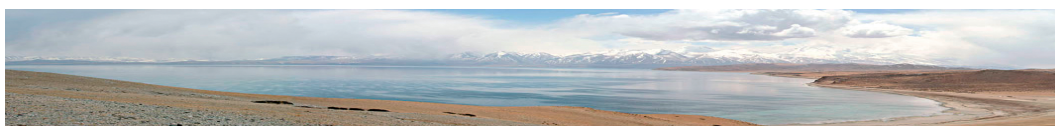
Nano[®] / Novolene[®] series shade cards - on request.

Nano[®], Novolene[®]- are the registered trademark owned by HARYANA

ISO 9001:2015

REACH Compliant

ISO 14001:2015





Committed to sustainable technologies

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