LEVACO CHEMICALS

FIBRE SOLUTIONS
with passion for your fibre

Product overview
Auxiliaries for man-made fibre production

Introduction

LEVACO manufactures a wide range of auxiliaries for the man-made fibre industry and has an experienced team with in-depth knowledge for the development, production and use of spin finishes and other process chemicals for fibre production.

Our product range includes:

- Viscose – activator, modifier, spin bath additives, antistatic agents and lubricants for staple fibre and filament yarn
- Acryl – lubricants, antistatic agents and softeners for tow and staple fibre
- Polypropylene – BCF and CF finishes for filament yarn as well as finishes for staple fibre and nonwoven for hygienic and technical applications
- Polyamide – POY, FDY, ATY and BCF finishes
- Polyester: FDY finishes for knitting and weaving yarn, BCF finishes and staple fibre finishes for nonwoven

LEVACO Trade name: **LUCRASPIN®** – Auxiliaries for man-made fibre production

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VISCOSE FIBRE

Activator

LUCRASPIN® VA 347

- Surface-active, can be applied either in pulp production or in the alkalisation process
- Accelerates the penetration of the pulp in steeping, facilitates the shredding process and activates the xanthogenation process
- CS_2 demand is lowered and filterability is improved
- Appearance: colourless liquid / Active matter (%): 80

Modifier & spinning aid

LUCRASPIN® TM 15

- Smooths the formation of viscose at the spinneret
- Prevents clogging of spinneret holes by encrustation
- Accelerates the dehydration of the coagulated filament and retards the xanthate decomposition thus yielding higher tenacity depending on spinning conditions
- Appearance: yellow-brown liquid / Active matter (%): 100

LUCRASPIN® VM 503

- Is used as a modifier in the manufacturing of viscose staple fibres
- Retards the decomposition of the xanthate in the spinning bath thus allowing higher stretching with resultant higher yarn tenacity
- Interacts with the resinous and other water insoluble by-products thus improving the clarity of the viscose and the filtration process
- Becomes cationic by protonation of the amine function and adheres to the surface of the metallic spinnerets thus assisiting spin bath additives in preventing clogging of the spinneret holes by incrustation
- Appearance: yellow-brown liquid / Active matter (%): 95

Spin bath additive

LUCRASPIN® D 412

- Low surface tension in spin baths to improve spinning properties for technical yarns, but also HWM fibres
- Prevents hard incrustations in the bath, at spinnerets and guides
- Clear soluble in various spin baths and low foaming
- Appearance: clear brown liquid / Active matter (%): 100

Spin bath additive

LUCRASPIN® VD 307

- Highly effective spin bath additive for the production of standard viscose staple fibres and textile filaments
- Low surface tension in spin baths to improve the spinning properties
- Prevents hard incrustations in the bath, at the spinnerets and guides
- Disperses sulfur-based precipitations
- Clear soluble in various spin baths and low foaming
- Appearance: clear brown liquid / Active matter (%): 100

Filament yarn

LUCRASPIN® AFS 788

- Designed particularly for production of yarn for weaving or beaming
- Low friction values for fine dpf yarns
- High effectivity with low opu level
- Compatible with common sizes
- Appearance: yellow liquid / Active matter (%): 93

LUCRASPIN® IT 121

- A spin finish developed for use as lubricant on viscose tyre cord
- Offers a low fibre/metal and low fibre/fibre friction to the yarn
- Reduces the loss of tenacity during twisting
- Improves the rubber adhesion of the cord
- Appearance: yellow liquid / Active matter (%): 90

Staple fibre (yarn)

LUCRASPIN® H 145

- Effective lubricant with low dynamic fibre/metal friction
- Optimized for ring-spinning
- Appearance: white solid / Active matter (%): 100

LUCRASPIN® ASA 65

- Highly effective antistat to suppress electrostatic build up
- Thermostable due to high molecular weight
- Appearance: yellow viscous liquid / Active matter (%): 87

LUCRASPIN® V 455

- Provides an extremely soft hand to the fibres
- Improves the drawing properties and leads to more uniform yarns
- Appearance: beige wax / Active matter (%): 75

Staple fibre (nonwoven)

LUCRASPIN® VF 411 I

- Hygiene preparation designed for use in the spun lace process
- Low foaming
- FDA and GB 9685 listed, conform to EU food regulation 10/2011
- Appearance: yellow paste / Active matter (%): 100

LUCRASPIN® VF 639

- Low-foaming hygiene finish developed for spunlace application
- Provides good cardability and imparts excellent cohesion properties
- Non-irritating and non-sensibilizing to the skin
- Exhibits good biodegradability in accordance with OECD tests
- Approved for food contact according to FDA Title 21, EU food regulation EU 10/2011 and Chinese GB standard 9685. Further listings in other regulations can be checked on request.
- Appearance: yellow paste / Active matter (%): 100

ACRYLIC FIBRE

Staple fibre (yarn)

LUCRASPIN® H 145

- Effective lubricant with low dynamic fibre/metal friction
- Optimized for ring-spinning
- Appearance: white solid / Active matter (%): 100

LUCRASPIN® HA

- Very good antistatic properties with a low add-on
- Good heat resistance
- Good abrasion resistance
- Appearance: colourless liquid / Active matter (%): 35

LUCRASPIN® P 17 A

- Highly effective antistat to suppress electrostatic build up
- Optimized for ring spinning
- Appearance: beige solid / Active matter (%): 100

POLYPROPYLENE FIBRE

CF & tapes

LUCRASPIN® OC 1003

- Rendering excellent processability, leading to high tenacity values
- Appropriate for the production of artificial grass, can be applied in spinning or beaming
- FDA listed (suitable for food packaging)
- Appearance: yellow liquid / Active matter (%): 100

LUCRASPIN® OC 85 ultra

- Provides low fibre/metal friction
- Smooth handle
- Rendering excellent processability
- Gas fading stabilized
- Appearance: colourless liquid / Active matter (%): 80

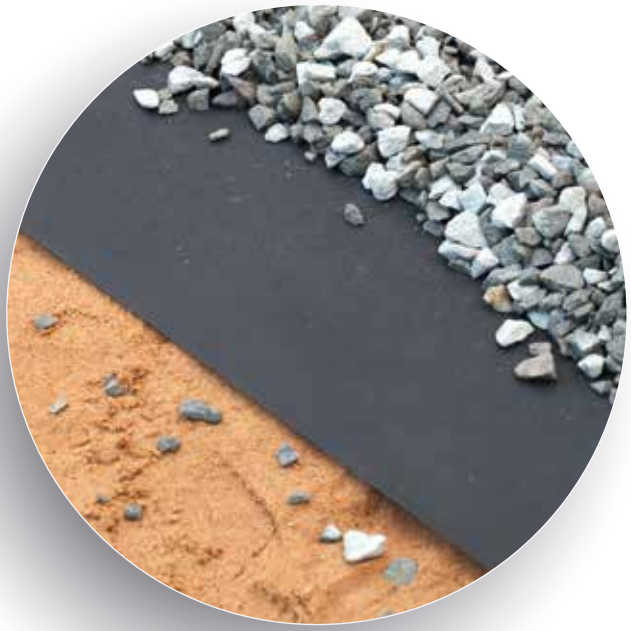
BCF

LUCRASPIN® OC 111 ultra

- Provides low fibre/metal friction
- Static protection
- Smooth handle
- Gas fading stabilized
- The Ultra modification is now also appropriate for PET-BCF
- Appearance: colourless liquid / Active matter (%): 80

LUCRASPIN® OC 73

- Provides low fibre/metal friction
- Applicable for Superba or Power Heatset
- Medium harsh handle
- Appearance: yellow liquid / Active matter (%): 100



Technical nonwoven

LUCRASPIN® P 28 plus

- Combines low dynamic fibre/metal friction (allows high carding speeds) with high fibre/fibre cohesion (higher strength of nonwovens)
- Is very thermostable (cleaner thermofixing and fume extraction equipment)
- Appearance: yellow liquid / Active matter (%): 99

Hygiene

LUCRASPIN® OH 412

- Permanent hydrophilic hygiene finish for spunbonds
- Provides the required properties for Lister and Rewet on Spunbond Topsheets and ADL Nonwovens
- Low foaming
- FDA listed and conforms to EU food regulation 10/2011
- Appearance: yellow liquid / Active matter (%): 100

LUCRASPIN® OH 12 K

- Permanent hydrophilic hygiene finish designed for Staple fibre and spunbond
- Provides the required properties for Lister and Rewet on Spunbond Topsheets and ADL Nonwovens
- Gives additional softness to the nonwoven
- Appearance: white emulsion / Active matter (%): 20

LUCRASPIN® OH 712

- Permanent hydrophilic hygiene finish designed for Staple fibre and spunbond
- higher concentrated version of Lucraspin® OH 12 K
- Provides softness and the required properties for Lister and Rewet on Spunbond Topsheets and ADL Nonwovens
- Appearance: white emulsion / Active matter (%): 40

LUCRASPIN® OH 431

- Hydrophilic hygiene preparation designed for fine denier staple fibre
- Excellent antistatic, friction and cohesion properties for spinning and carding
- Provides the required properties for Lister and Rewet on carded Topsheets and ADL Nonwovens
- Appearance: yellow liquid / Active matter (%): 75

LUCRASPIN® OH 632 B

- Permanent hydrophilic hygiene finish for spunbonds, in combination with LUCRASPIN® ASA 135 for staple fibre
- Provides the required properties for Lister and Rewet on Spunbond Topsheets and ADL Nonwovens
- Low foaming
- FDA listed and conforms to EU food regulation 10/2011
- Appearance: yellow liquid / Active matter (%): 100

Textile filament

LUCRASPIN® OX 21

- Finish for the production of PP POY
- Leaves low residues on texturing heater plates only
- Exhibits excellent wetting properties on PP fibre
- Soft handle thus making it pleasant for skin contact
- Appearance: yellow liquid / Active matter (%): 100

LUCRASPIN® OF 467

- Designed for high speed spinning of PP filaments particularly for the manufacture of ATY subsequent texturing on AJT machine
- Low fibre/metal friction to allow efficient high speed spinning and texturing whilst the low FF static friction ensures maximum openness of the fibre bundle during the Air Jet Texturing process
- Low dynamic surface tension to ensure good wetting behaviour of the PP fibre
- Appearance: light yellow liquid / Active matter (%): 99

POLYAMIDE FIBRE

FDY

LUCRASPIN® AF 535

- Designed for use on high speed polyamide FDY spinning
- Optimized for fine dtex and high count yarns with its low friction levels
- Appropriate for further ATY processing due to its good water solubility
- Low abrasion and wear of machine parts due to its high lubricant content
- Applicable for production of yarn for knitted goods also Spandex®
- Excellent wettability and water solubility
- Appearance: yellow liquid / Active matter (%): 88

LUCRASPIN® AFS 630

- Designed for use in high speed spinning of polyamide-6 FDY
- Imparts low fibre/metal friction together with excellent antistatic properties
- Especially designed for very fine denier yarns
- Compatible with common sizes
- Appearance: yellow liquid / Active matter (%): 90

BCF

LUCRASPIN® AC 512 N

- Provides low fiber/metal friction and uniform dyeing results
- Provides static protection
- Highly thermostable and suitable for Superba and Power Heatset
- Protects the yarn against oxidative yellowing
- Appearance: yellow liquid / Active matter (%): 97

LUCRASPIN® AC 618

- Particularly designed for high speed spinning of low denier PA6 BCF
- Imparts low fiber/metal friction and uniform dyeing results
- Provides static protection
- Highly thermostable and suitable for Superba and Power Heatset
- Protects the yarn against oxidative yellowing
- Appearance: yellow liquid / Active matter (%): 97

POY - DTY

LUCRASPIN® AX 149

- DTY finish for PA POY
- Low heater deposits and no condensate dropping
- Good PU compatibility
- Appearance: yellow liquid / Active matter (%): 90

Monofilaments

LUCRASPIN® AC 512 N

- For both PA and PET monofilaments
- Combination of thermostable synthetic lubricants and highly effective antistat
- Used for fine to medium monofilaments
- Imparts a medium fibre/metal friction and is suitable for woven articles
- Appearance: yellow liquid / Active matter (%): 97

LUCRASPIN® ASA 135/20

- For both PA and PET monofilaments
- Used on coarse monofilaments with a diameter > 0,25mm, has a medium to high fibre/metal friction
- FDA listed and on the positive list of EU regulation 10/2011
- Appearance: yellow liquid / Active matter (%): 20

POLYESTER FIBRE

BCF

LUCRASPIN® OC 111 ultra

- Provides low fiber/metal friction
- Static protection
- Smooth handle
- Gas fading stabilized
- The Ultra modification is now also appropriate for PET-BCF
- Appearance: colourless liquid / Active matter (%): 80

Textile filament

LUCRASPIN® EF 454 I

- For use in conventional high speed PET FDY spinning as well as WINGS technology
- Designed as a thermostable product to reduce smoke and loss of product during processing
- Excellent wettability and low fibre metal friction combined with superior antistatic properties
- Compatible with common sizes
- Appearance: yellow liquid / Active matter (%): 91

Staple fibre (nonwoven)

LUCRASPIN® E 24

- Best price-/performance ratio
- Suitable for compact spinning lines as a complete finish
- Thermostable, low fogging (automobile end uses) and low smoking
- Imparts excellent resilience and elasticity for good recovery
- Provides a scroopy handle to the fibre
- Appearance: yellow liquid / Active matter (%): 82

LUCRASPIN® FF 230

- Non-ionic emulsion of functional silicones designed for application to PES staple fibres where a smoother handle is required e.g. fibre fill
- Single component product that imparts excellent resilience and a permanent softness to the fibres
- May be used also for other polymers, glass fibre or Nonwoven.
- Appearance: white liquid / Active matter (%): 70

LUCRASPIN® ASA 135/20

- Highly effective antistat designed for hygiene applications
- FDA listed and conforms to EU regulation 10/2011
- Appearance: yellow liquid / Active matter (%): 20

Hygiene

LUCRASPIN® OH 44 K

- Durable hydrophilic agent for Polyester staple fibres and gives good antistatic protection
- Provides hydrophilicity to the fibres as can be seen from their rapid sinking time and water holding capacity figures
- Silicone free and gives a very soft handle to the fibre or material
- Easily dispersible in water and requires only a short homogenisation time
- Appearance: white stable emulsion / Active matter (%): 20

LUCRASPIN® OH 632 B

- Durable hydrophilic agent for Spunbond providing desired Liquid Strike Through and Rewet properties
- Durable hydrophilic agent for staple fibres when combined with an antistatic agent like LUCRASPIN® ASA 135/20
- Non-irritating and non-sensibilising to the skin, exhibits good biodegradability in accordance with OECD tests
- Low-foaming and silicone free, imparts a high fibre to fibre cohesion
- Appearance: yellow liquid / Active matter (%): 100

ENCAPSULATED BOTANICALS

LUCRA®CARE

- Release of natural ingredients on the skin for wellbeing such as fragrances, botanicals and other wellness substances
- Increase of stabilization and long-term efficiency of active ingredients in nonwoven viscose fibres
- Slow release on skin from nonwovens or fibres surfaces
- Slow release on skin from viscose fibres when added into the spinning slurry
- The standard LUCRA®CARE range includes the fragrances fresh (flowery odor), lavandula and aloe - further fragrances available on request

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