

Technical Data Sheet

TURPEX[®] ACN NEW textile softener

COMFORT & EASY CARE

Softener and additive in resin finishes

USES

Additive and softener for crease-resistant, shrinkproof, non-iron, wash and wear finishes on natural and regenerated cellulose fibers and their blends with synthetic fibers

Suitable for dry, moist and wet crosslinking processes

To improve abrasion resistance, tear strength, bursting strength, sewability on all fabric types

Characteristics	Benefits
<ul style="list-style-type: none">Increases fiber lubrication	<ul style="list-style-type: none">Improved tear strength, bursting strength and abrasion resistance of finished fabricsExcellent napping properties
<ul style="list-style-type: none">Excellent sewability	<ul style="list-style-type: none">Reduced risk of needle damage to fabric and hole formation during garment construction and useReduced risk of needle and fabric damage due to fused synthetic fiber
<ul style="list-style-type: none">Excellent degree of whiteness even with high temperatures	<ul style="list-style-type: none">Allows production of fabrics and garments with a high degree of whiteness
<ul style="list-style-type: none">Soft, surface smooth handle	<ul style="list-style-type: none">Gives fabrics a warm luxurious feel
<ul style="list-style-type: none">Stable to metal salts and strong acids	<ul style="list-style-type: none">Suitable for all type of resin finishesSuitable for moist and wet crosslinking processes as well FR-finishes with PYROVATEX[®] in strong acid medium
<ul style="list-style-type: none">Excellent durability to washing and dry cleaning	<ul style="list-style-type: none">Fabric performance is maintained through multiple cleaning cycles

<ul style="list-style-type: none"> • Excellent stability to sublimation 	<ul style="list-style-type: none"> • Reduced contamination of machinery parts and condensation spots on the fabric
<ul style="list-style-type: none"> • Low affinity to the fiber 	<ul style="list-style-type: none"> • No tailing in continuous application processes

PROPERTIES

Chemical constitution	Emulsion of polyalkylene
Ionic character	Nonionic
pH	3.5–5.5
Specific gravity at 20 °C	0.980–1.010 g/cm ³
Physical form	White to yellowish emulsion
Storage stability	TURPEX® ACN NEW is stable for 2 years when properly stored in closed containers at 20 °C. The product is sensitive to cold below 0 °C and above 60 °C.
Ecology/toxicology	The usual hygiene and safety rules for handling chemicals should be observed in storage, handling and use. The product must not be swallowed.
	For further information on TURPEX® ACN NEW - especially particulars regarding safety when handling, toxicological and ecological data - please consult our product specific safety data sheet.
Compatibility	TURPEX® ACN NEW can be used in combination with most products commonly used in finishing. Preliminary trials are advisable before using the product with other products, especially when they are not of Huntsman Corporation.

APPLICATION

TURPEX® ACN NEW textile softener can be applied by padding, dip spin or minimum application techniques.

Dissolving/diluting

TURPEX® ACN NEW textile softener can be diluted with cold water.

Dilute TURPEX® ACN NEW textile softener during constant stirring with cold water before adding to the bath. If combined with cellulose crosslinking agents, filler, additives, etc., these products must be pre-diluted; TURPEX® ACN NEW textile softener should be added last.

Required amount

Padding

5–60 g/l TURPEX® ACN NEW

Application

Padding with a liquor pick-up of 60–90 %

Bath temperature: about 20 °C

Drying at 110–130 °C

If combined with cellulose crosslinking agents the details described in the respective technical data sheets are valid.

Suggested recipes

1) CO shirting and blouse fabrics

20–50	g/l	KNITTEX® FEL
6–15	g/l	KNITTEX® CATALYST MO
0–30	g/l	DICRYLAN® BSRN
10–40	g/l	TURPEX® ACN NEW
20–30	g/l	ULTRATEX® FMW

2) CO knit goods

15–30	g/l	KNITTEX® FEL
4–9	g/l	KNITTEX® CATALYST MO
20–40	g/l	TURPEX® ACN NEW
20–30	g/l	MEGASOFT® LUX

3) Top-finish, e. g. after moist crosslinking

20–40	g/l	TURPEX® ACN NEW
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NOTES

TURPEX® ACN NEW textile softener could have an impact on the wash and crock fastness of disperse, naphthol and vat dyed fabrics. Preliminary trials are therefore advisable.

Spray application (not product specific)

Aerosols are generated through the spraying technique that potentially may be hazardous to health. For this reason spray application can only be safely conducted if sufficient ventilation equipment is installed at the product application site which will prevent spreading of the aerosols into the workplace. An alternative would be to carry out the spraying application in a closed system.

ATTENTION

Our technical data sheets provide directions for the application possibilities of our products. Any influence on dyes, prints and their fastness properties, degree of whiteness, fabric properties, handle, non-slip, seam resistance and material strength, ageing resistance, odor of finished fabric etc. are under the user's own responsibility. Due to the many different textile variations we are not able to submit a general recommendation. Our recommendations are in line with our present state of knowledge and do not provide any guarantee. Therefore initial internal bulk trials are absolutely necessary. The manufacturer is not liable for damages due to improper application or application against our explicit recommendations.

Statutory provisions and standard regulations must be observed when handling processing agents. For additional detailed information please refer to the product specific safety data sheet.

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