



Kane International Corporation
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KANE INTERNATIONAL CORPORATION

TIGERLAC™ 5050 CHLORINE-FREE DEWAXED BLEACHED SHELLAC

TIGERLAC™ 5050 CHLORINE-FREE is a dewaxed, bleached shellac and has been prepared to be used in applications historically reserved for dewaxed flaked shellac. It is soluble in different media yielding transparent, light-colored solutions. Ready for use solutions of this natural FDA compliant and biodegradable resin are available.

Specifications

Appearance	:	Pale Yellow Granules/Powder
Acid Value	:	65 - 80
Melting Temperature	:	60 - 70 C
Wax content	:	< 0.2%
Loss on drying	:	< 2%
Color Index Lovibond Scale (20% Ethanol)	:	2 - 2 ½
Kosher	:	O.U. - Parve

Aqueous Solutions

Solutions of bleached shellac in basic aqueous media are readily obtainable up to a solids content of approx. 30%.

Further details about the aqueous dissolution shellac can be obtained from the technical data sheet "Shellac - Guideline for the preparation of aqueous dispersions."

Organic Solvent Solutions

TIGERLAC™ 5050 CHLORINE-FREE is readily soluble in low-molecular weight alcohols (e.g., ethanol, n- and iso-propanol) and some glycol derivatives (e.g., propyl glycol, butyl glycol), in benzylalcohol and others.

Additional data can be obtained from the technical data sheet "Shellac - Solvent table".



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Page 2

Major Applications

Wood coatings and glazes, flexographic printing inks, hat proofing, hair sprays, mold-release agents, leather finishing, fruit coatings, raw material for shellac special products.

Storage/Transport

Keep cool and dry. The shelf life of bleached shellacs will be more than 12 months if stored/transported at temperatures <20 degrees C (55 degrees F). Higher temperatures will accelerate aging of the solid material and raise the risk of "blocking" especially under the influence of humidity. The solubility of this shellac should be checked periodically as a precautionary measure. Because of the reasons above, we recommend refrigerated transport.

Form of Delivery

- Powder/Granules
- Solutions in alcohols (solids content max. 48%)
- Aqueous solutions (solids content max. 30%)

Packaging

- Solids : Multi-wall Paper bags of 50 lbs net weight
Fiber drums with inner PE bag of 50 lbs net weight
- Solutions : 55 gallon poly or lined steel drums

Qualifies as food grade under but not limited to: 21CFR175.105; 175.300; 175.170 and 73.1(b)(1)(i).