



Kane International Corporation
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KANE INTERNATIONAL CORPORATION

TIGERLAC™ 5055, 5056, 5057, 5058, 5061 DEWAXED FLAKED SHELLAC

TIGERLAC™ Flaked Shellacs are dewaxed and physically decolorized natural resins. The single products differ in the degree of decolorization and yield transparent solutions of different color shade in various solvent systems. Ready for use solutions of the product are available.

The **TIGERLAC™** Flaked Shellac manufacturing process guarantees careful treatment of the natural raw materials (seedlac) upon refining. The final products are high quality materials with excellent binding and film forming properties. They are physiologically harmless and biodegradable.

Specifications*

Acid Value	:	60 - 75 mg KOH/g
Saponification Value	:	175 - 240 mg KOH/g
Melting temperature	:	65 - 77 degrees C
Wax content	:	< 0.2%
Loss on drying	:	< 2%
Color Index Lovidbond PRS Scale (20%) in ethanol	:	TIGERLAC™ 5055 1 - 1 3/4 TIGERLAC™ 5056 2 - 2 1/2 TIGERLAC™ 5057 3 - 3 1/2 TIGERLAC™ 5058 4 - 5 TIGERLAC™ 5061 > 9
Kosher	:	O.U. Parve

* for analytical methods see Certificate of Analysis

Aqueous Solutions

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

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



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Solutions in Organic Solvents

TIGERLAC™ Flaked Shellacs are readily soluble in low-molecular weight alcohols (e.g. ethanol, n- and isopropanol) 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".

Major Applications

Wood coatings and glazes, flexographic printing inks, India inks, leather finishing, hat proofing, cosmetics (e.g. hair sprays, shampoos), confectionary and fruit coatings, direct food contact materials (packagings), raw material for shellac special products.

Storage/Transport

The shelf life of **TIGERLAC™** Flaked Shellacs will be more than 2 years if stored/transported at temperatures < 20 degrees C. Higher temperatures will accelerate aging of solid material and raise the risk of "blocking" especially under the influence of humidity.

Because of reasons mentioned above, we recommend refrigeration during transport during the warm summer months.

Form of Delivery

- Flakes
- Solutions in alcohols (solids content max. 40%)
- Aqueous solutions (solids content max. 30%)

Packaging

- Solids : Paper bags of 25 kgs net weight
Fiber drums with inner PE bag of 50 kgs net weight
- Solutions: : 200 kg steel drums, coated (aqueous and alcohol-based)

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