

Technical Data Sheet (valid from batch # 80000)

## LANON Toy Stain No. 210

**new** quality

**N** means **LIVOS neutral** for the allergy-prone and chemically sensitive

**Range of application** For interior solid wood, e.g. furniture, toys and playground equipment.

**Technical qualities** Color fastness when exposed to perspiration and saliva according to DIN 53160. Suitable for toys according to DIN EN 71 Part 3 (no migration of heavy metals). Contains no preventive blue-staining fungi protection. Free of organic chemical compounds according to DIN EN 71 part 9.

**Full declaration** Depending on the color: Linseed oil - stand oil - natural resin ester, linseed oil, mineral pigments, chalk, linseed oil - stand oil, linseed oil - wood oil - stand oil, silicic acid, micronized wax, isoaliphates, and drying agents free of lead (Mn, Zr, Ca).

<b>Colors</b>	012 Spruce	022 Boxwood	032 Pine	042 Dark Teak
	052 Brazil	056 Sea buckthorn	062 Walnut	076 Oak
	082 Rosewood	102 Ebony	113 Green	116 Lime
	122 Ultram. blue	124 Country blue	126 Corn flower	134 Lilac
	202 White	203 Light	212 Light grey	413 Citron
	414 Tangerine	415 Orange	416 Blood orange	417 Kiwi
	418 Avocado			

For color 002 (clear), there is a separate technical data sheet. Colors are inter-mixable.

**Dilution** With SVALOS Thinner No. 222 or SVALOS Spray Thinner No. 293.

**Application method** By brushing undiluted and thin, spray application (diluted 5 - 10%), or dip application (diluted up to 20%) at temperatures above 12 °C (54 °F) and dry weather. (For further details: see reverse)

**Coverage** 1 liter (1,06 fl. quart) undiluted is sufficient for 15 - 30 m<sup>2</sup> (161 - 323 ft<sup>2</sup>), i.e. 44 ml/m<sup>2</sup> per coat. Coverage could be considerably less depending upon the condition and absorbency of the surface. Test application!

**Drying time** At 23°C (73°F) and 50% relative humidity 12 - 24 hours, subsequent coats may be applied after approximately 24 hours. With higher temperatures, please consider shorter drying times. Drying with good light- and ventilation conditions.

**Cleaning up** Clean equipment immediately after use with SVALOS Thinner No. 222, or LEVO Brush Cleaner Nr. 997.

**Specific gravity** Approximately 0.90 g/ml (deviations possible depending upon the color).

**Safety advice** Ensure good ventilation during and after application. Always be sure to store cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with LANON Toy Stain No. 210 in an airtight metal container or in water until their disposal, as there is a danger of combustion caused by plant oil content. The liquid or applied product is not self-ignitable.

P102 Keep out of reach of children.

P301+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor.

**Disposal** According to locally regulated laws.

**Container sizes** 0.05 lt; 0.125 lt; 0.375 lt; 0.75 lt; 2.5 lt; 10 lt; 30 lt.

**Storage** Cool and dry. Shelf life: unopened at least 4 years. Opened products react with oxygen, over time skin formation and rancid smell can occur. Residues should be transferred into smaller containers.

## How to use

# LANON Toy Stain No. 210

<b>Preparation</b>	In case of already opened containers, remove any skin that might have formed on the surface, then stir thoroughly. The wood must be dry, solid, able to absorb, clean, and free of dust. The moisture content of coniferous wood and tropical hardwoods should not be higher than 15%, of indigenous hardwoods, not higher than 12%. Pre-sand wood gradually (up to 240 grain).
<b>Application</b>	Prime with DUBNO Priming Oil No. 261. Then apply 1 to 3 coats of LANON No. 210, depending on the area of application and the required degree of protection. <b>1st application:</b> Apply a thick coat and after approx. 5-15 minutes re-brush the surface. Remove any excess oil after 20 minutes at the latest with a lint-free cotton cloth. <b>2nd and 3rd application:</b> Apply very thinly and polish immediately with a lint-free cotton cloth.
<b>Renovation</b>	Clean old coatings and sand slightly if necessary. A primer is required only at places where the raw wood is visible after sanding. Otherwise, apply a new coating directly on the cleaned surface, depending on the wear possibly several times.
<b>After-Treatment</b>	For a silk-glossy surface, apply a few drops of Toy Stain on the dried surface and polish immediately.
<b>Care and cleaning</b>	Remove dirt with TRENA pH-Neutral Cleaner No. 556. If the surface looks dull apply one coat of LANOS Toy Stain No. 210 afterwards.
<b>Important tips</b>	Do a test application. When purchasing more than one container be sure that all containers have the same batch number (5-digit number).  Do not paint over LANON Toy Stain White with other LIVOS oils, otherwise yellowing of the treated surface is possible. In low light conditions (day and artificial light), color white may yellow due to the linseed oil in the product. The Toy Stain No. 210 is not suitable for the drum procedure. If the stain drips off or bubbles appear during application, an incompatibility exists through the pre-treatment or it has been sanded to smooth. Coarser sanding may possibly create remedy.

These directions are the result of long years of research and practical testing. They are backed by our most current expert information. New findings may invalidate this information. The latest version is available on our website at [www.livos.de](http://www.livos.de). This data sheet is meant to serve as information and instruction. No legal liability should be interpreted from it. In case of doubt, please contact the LIVOS customer service (see page 1).

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