

## SANDING

This step is essential for good results. Perform progressive sanding using all successive grits from 100 to 150 for flooring and up to 180 for furniture.

## OIL APPLICATION

### 1<sup>st</sup> COAT

Stir well with a stick to evenly mix the colour pigments in the oil. Apply the stain to a small area to confirm your colour choice. Apply a thin coat with a small lint-free cloth, cotton wick or an applicator pad. Let the surface absorb the oil for about 10 to 15 minutes. Then, remove the excess of oil from the surface with a lint-free cloth and make sure the coating is uniform. Wait a minimum of 12 hours before applying the 2nd coat.

### 2<sup>nd</sup> COAT

Stir well with a stick to evenly mix the colour pigments in the oil. Apply the second coat using a ratio of 11ml/m<sup>2</sup> (about a tablespoon/m<sup>2</sup>). Wait 10 to 15 minutes before removing the excess of oil or start polishing immediately (see the ADVICE SECTION). Wait a minimum of 24 hours before applying the 3rd coat.

### 3<sup>rd</sup> COAT

Stir well with a stick to evenly mix the colour pigments in the oil. Apply the last coat using a ratio of 4ml/m<sup>2</sup> (about a teaspoon/m<sup>2</sup>). Wait 10 to 15 minutes before removing the excess of oil or start polishing immediately (see the ADVICE SECTION).

## ADVICE

1 • For a silky finish, replace the wiping off process of the second and third coats with a polishing process. Apply a few drops of oil using the same ratio and start polishing immediately using a polisher or random orbital sander. Use a non-abrasive pad without grit. Do not wipe off afterwards.

2 • A light sanding with an 800 grit sandpaper between the first and second coats will produce a smoother surface, improve resistance, and provide a glossier finish.

## IMPORTANT BEFORE STARTING APPLICATION

As our products are colored using natural pigments, there may be colour variations between batches. Therefore, it's essential to make a test on a small surface before completing your project. Make sure the result matches your expectation before proceeding.

Moreover, the wood preparation and its age may also influence colour absorption, and final results may vary accordingly. We are not responsible for the final colour obtained in the event no test were performed or if multiple colored oils were blended.

**THE RESPONSIBILITY OF THE DISTRIBUTOR AND THE MANUFACTURER IS LIMITED TO THE VALUE OF THE PRODUCT.**

**NEVER LET A COAT DRY WITHOUT REMOVING THE EXCESS OF OIL OR POLISHING THE SURFACE**

## WARNINGS

TO AVOID SPONTANEOUS COMBUSTION RISKS, RAGS, POLISHING DISCS AND OIL IMPREGNATED APPLICATOR PADS MUST BE PLACED IN A METALLIC SEALED CONTAINER OR SUBMERGED IN WATER BEFORE THEIR DISPOSAL.

version 1

## NOTE

KUNOS 243 and 244 oils take approximately 30 days to dry thoroughly. Maximum endurance is reached after 4 weeks. Please take the necessary precautions during this time.

LIVOS CANADA  
T. 1 877 909-3123 - F. 418 365-7915  
20, route Goulet, Proulxville (Québec) G0X 2B0

LIVOS.CA

## Technical Data Sheet

# KUNOS Countertop Oil No. 243

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

### Without orange oil

<b>Application range</b>	For interior solid wood, e.g. kitchen countertops, dining tables and windowsills as well as Multiplex boards. Conditionally suitable for veneers and plywood (see also page 2 - Important tips). Not suitable for chipboard, stained wood and cabinet interiors.
<b>Technical qualities</b>	Free of cobalt and terpenes. Emphasizes the structure of the wood grain. Results in a matt surface after 1 coat and a satin glossy finish after 2 - 3 coats. Complies with the German Industrial Norm DIN 53 160 for color fastness when exposed to perspiration and saliva. Suitable for toys according to DIN EN 71, part 3. Free of organic-chemical compounds according to DIN EN 71 part 9. Water resistant after 3 applications and 4 weeks of curing.
<b>Full declaration</b>	Isoaliphates, Linseed oil - stand oil - natural resin ester, castor oil - natural resin ester, wood oil, linseed oil, natural resin glycerol ester, micronized wax, silicic acid, dehydrated amino sugar and drying agents free of lead (Ca, Mn, Zr).
<b>Color</b>	002 colorless.
<b>Dilution</b>	Ready to use for painting.
<b>Application method</b>	By brush, rotary sander and grey felt pad as well as lint-free cotton cloth, at temperatures above 16°C (60°F).
<b>Coverage</b>	Determine the exact coverage by doing a test coat. First coat: 45 ml/m <sup>2</sup> , i.e. 1 liter (1.06 quart) is sufficient for approximately 22 m <sup>2</sup> (237 ft <sup>2</sup> ). Second coat: 11 ml/m <sup>2</sup> , i.e. 1 liter (1.06 quart) is sufficient for approximately 90 m <sup>2</sup> (968 ft <sup>2</sup> ). Third coat: 4 ml/m <sup>2</sup> , i.e. 1 liter (1.06 quart) is sufficient for approximately 250 m <sup>2</sup> (2.690 ft <sup>2</sup> ).
<b>Cleaning</b>	Clean equipment immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.
<b>Drying time</b>	At 23°C (73°F) and 50% relative humidity: First coat 24 hours, subsequent coats 12 hours.
<b>Specific gravity</b>	Approximately 0.88 g/ml.
<b>Safety advice</b>	Ensure good ventilation during and after application. Always be sure to store and then dispose of cleaning cloths, polishing pads, sponges, etc. that are still wet or even slightly moist with KUNOS Countertop Oil No. 243 in an airtight metal container or in water, as there is a danger of spontaneous combustion caused by the 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.
<b>Disposal</b>	According to locally regulated laws.
<b>Container sizes</b>	0.05 l; 0.1 l; 0.25 l; 0.75 l; 2.5 l; 10 l.
<b>Storage</b>	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

## KUNOS Countertop Oil No. 243

<b>Preparation</b>	Wood must be dry (moisture content below 12 %), solid, absorbent, free of resin and dust. Sand gradually and in accordance with the gradation of sandpaper up to 240 grain, for oak use 180 grain. <b>Alternative:</b> Pre-sanding up to 120 grain and interim sanding after the first coat with 320 grain.
<b>Application</b>	Stir thoroughly before use. Remove possible skin formed on surface. Test application!  <b>Apply the first coat generously</b> and distribute or remove (if necessary) visible oil residues after 20 minutes. The harder the wood (e.g. walnut), the longer the penetration time, but a maximum of 30 minutes. All wood pores should be filled with the oil, but no oil residues should remain on the surface. After at least 24 hours of drying time apply one teaspoon of oil per m <sup>2</sup> and polish immediately for the <b>second application</b> . The <b>third application</b> can be carried out after another 12 hours (same procedure as for the second application). Three applications are necessary for water resistance.  Suitable tools are: random orbital sander with felt pad (not white or beige pad) or alternatively brush and lint-free cotton cloth.  <b>Important information for the first use:</b> The maximum achievable water resistance is achieved only after 4 weeks of curing. Immediately wipe off stagnant water during this time.
<b>Cleaning and Care</b>	Use TRENA pH-Neutral Cleaner diluted with water and wipe with a moist, but not wet cloth. When the wood surface looks matt, after-care with KUNOS Countertop oil N° 243 the same way as indicated for the 2 <sup>nd</sup> /3 <sup>rd</sup> application.
<b>Important tips</b>	In the case of <b>veneers</b> and <b>plywood</b> , the first coat should be applied sparingly and the wet film should be removed after 5 minutes. KUNOS is <b>not suitable</b> for veneers and board layers (plywood) with a <b>layer thickness of less than 0.5 mm</b> (after sanding). Glues and adhesives must be completely cured before the first application.

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).

April 2019