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| <b>Application range</b>   | <p><b>Interior:</b> solid wood (furniture, floors), multiplex, OSB on walls and ceilings.</p> <p><b>Suitable to a limited extent for:</b> veneers and plywood from 0.5 mm layer thickness.</p> <p><b>Not suitable for:</b> chipboard, stained wood, cabinet interiors and exterior use.</p>                                                                                                                                                                                                                                                                                                                 |
| <b>Technical qualities</b> | <p>Emphasises the grain; penetrates the wood and, after several coats, forms a satin, water-repellent surface.</p> <p>Can be repaired locally – re-oiling individual spots is possible.</p> <p>Fully declared – including the substances that need not be named.</p> <p>Colour 002 Clear: tested to DIN EN 71-3 (toy safety).</p>                                                                                                                                                                                                                                                                           |
| <b>Full declaration</b>    | <p>Depending on colour: linseed oil, linseed-stand-oil natural resin ester, linseed-wood-stand oil, highly transparent iron oxides, titanium dioxide (only in colours with a white component), natural resin glycerol ester, linseed stand oil, isoaliphates, silicic acid, micronised wax, dehydrated amino sugar, drying agents (Ca, Mn, Zr).</p>                                                                                                                                                                                                                                                         |
| <b>Colours</b>             | <p>002 Clear · 054 Mahogany · 062 Walnut · 064 Dark walnut · 069 Tobacco · 076 Oak · 082 Rosewood · 088 Smoked oak · 089 Antique oak · 101 Black · 203 Light · 204 White · 425 Elm · 426 Elm grey · 427 Elm dark brown · 428 Cherry honey · 429 Cherry intensive · 431 White oak · 437 Black Bean · 438 Cocobolo · 439 Bongossi · 465 Cherry · 748 Slate grey · 794 Agate grey · 922 Silver grey.</p>                                                                                                                                                                                                       |
| <b>Dilution</b>            | <p><b>Brushing:</b> ready to use. <b>Spraying:</b> add at most 5–10 %, <b>dipping:</b> at most 10–20 % SVALOS Thinner No. 222 or No. 292.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Application method</b>  | <p>Stir well, remove any skin. Apply at temperatures above 16 °C.</p> <p><b>Coloured:</b> only with a brush, flat brush or short-pile roller.</p> <p><b>Clear:</b> additionally by spraying, dipping, with a cloth pad, a single-disc machine or an orbital sander.</p>                                                                                                                                                                                                                                                                                                                                     |
| <b>Coverage</b>            | <p><b>First coat:</b> 45 ml/m<sup>2</sup>, i.e. 1 l is sufficient for approx. 22 m<sup>2</sup>.</p> <p><b>Second coat:</b> 11 ml/m<sup>2</sup>, i.e. 1 l is sufficient for approx. 90 m<sup>2</sup>.</p> <p><b>Third coat:</b> 4 ml/m<sup>2</sup>, i.e. 1 l is sufficient for approx. 250 m<sup>2</sup>.</p>                                                                                                                                                                                                                                                                                                |
| <b>Cleaning</b>            | <p>Clean tools immediately after use with SVALOS Thinner No. 222 or LEVO Brush Cleaner No. 997.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Drying time</b>         | <p>At 23 °C and 50 % relative humidity: first coat 12 hours, further coats 24 hours. Warmth shortens the drying time, cold and high humidity extend it.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specific gravity</b>    | <p>approx. 0.9 g/ml.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>               | <p><b>Risk of spontaneous combustion from oil-soaked materials</b></p> <p>Cleaning cloths, polishing pads, sponges and sanding dust soaked with oil heat up as they dry; crumpled together, the heat builds up and can cause a fire. Therefore <b>do not leave them unattended after use:</b> immerse them in water and dispose of them wet, lay them out singly to dry through, or collect them in a closed metal container – soak the contents before emptying it. The product itself is not self-igniting – neither liquid nor applied.</p> <p>Ensure good ventilation during and after application.</p> |
| <b>Safety advice</b>       | <p>The product is not classified as hazardous under the CLP Regulation.</p> <p>Keep out of the reach of children and never decant into food containers. If swallowed, do not induce vomiting but seek medical advice.</p>                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Disposal</b>            | <p>According to local regulations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Container sizes</b>     | <p>0.05 l; 0.1 l; 0.25 l; 0.375 l; 0.75 l; 2.5 l; 10 l; 30 l.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>             | <p>Cool and dry. Unopened shelf life at least 4 years. Transfer opened containers into smaller vessels to minimise the air space.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



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| <b>Substrate</b>            | <p>Wood must be dry (wood moisture below 12 %), sound, absorbent and free from resin and dust.</p> <p><b>Furniture:</b> pre-sand step by step up to 240 grit, oak up to 180 grit.</p> <p><b>Floors:</b> up to 180 grit – with the drum sander up to 120 grit, then with suitable equipment up to 180 grit.</p> <p>The finer the sanding, the lower the consumption, film wear and tendency to soil; sanding too coarsely leads to water-sensitive surfaces and can cause green discoloration.</p> <p>Let adhesives and glues cure completely before the first coat.</p>                                                                                                                                |
| <b>Coating system</b>       | <p>Depending on requirement, absorbency and type of wood 1–3 coats until a layer forms; at least 3 coats for floors.</p> <ol style="list-style-type: none"> <li>1. Apply generously, polish in after 10–15 minutes (earlier in warm conditions) and remove the excess – with a grain-free oil-absorbent pad and polishing machine or a lint-free cotton cloth. The harder the wood, the longer the penetration time, but no more than 25 minutes.</li> <li>2. Spread dropwise (about 1 teaspoon per m<sup>2</sup>) and polish in immediately.</li> <li>3. As the second coat.</li> </ol> <p>The longer the oil acts, the more the grain is deepened. Remove the wet film completely from chamfers.</p> |
| <b>Intermediate sanding</b> | <p>For particularly smooth, hard-wearing surfaces sand between coats after the first coat – on furniture with a pad or fleece of at least 280 grit.</p> <p>On floors intermediate sanding is unnecessary if the excess oil was carefully removed after the first generous coat.</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Coloured coats</b>       | <p>Apply only with a brush or roller and <b>do not polish in</b>. Spread the excess after about 15 minutes along the grain onto areas that are still absorbent.</p> <p>The coloured layer needs 1–2 coats in colour 002 Clear as protection – like the second and third coat above.</p> <p>On tables and worktops use <b>KUNOS Countertop Oil No. 243</b> instead.</p> <p>To preserve the colour of light woods such as maple or birch, apply the first coat in colour 204 White, then two coats in colour 002 Clear.</p>                                                                                                                                                                              |
| <b>OSB</b>                  | <p>Pre-sand with a sanding grid of 120–180 grit – not with the drum sander, which removes too much of the load-bearing top layer.</p> <p>Then apply 3 coats, clear or coloured. Determine the consumption by test application.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Renovation</b>           | <p><b>Pore-sealing old coatings</b> – oil and lacquer paints, high-build systems, wax coatings – must be removed completely by sanding or stripping.</p> <p><b>Open-pored old coatings</b> should be cleaned, sanded if necessary and checked for absorbency; then proceed as described above.</p>                                                                                                                                                                                                                                                                                                                                                                                                     |

# KUNOS Natural Oil Sealer No. 244



## Routine cleaning

TRENA pH-neutral Cleaner No. 556 is suitable for routine cleaning.  
Use the concentrate diluted only: add at most 10 ml (1 tablespoon) to 10 l of water, then wipe damp, not wet. This keeps the surface in good condition; too much cleaner can make it matt or rough.  
At every fourth to fifth cleaning, add GLANOS Natural Liquid Wax Cleaner No. 559 to the water instead of the neutral cleaner.  
For a more matt surface, LATIS Natural Wax Soap No. 1876 is suitable. If the surface is to be re-oiled with KUNOS oils afterwards, its pH value must be back in the neutral range – apply a test area.

## Maintenance

If the surface looks matt, treat it with KUNOS Natural Oil Sealer No. 244, KUNOS Floor Maintenance No. 1862 or KUNOS Maintenance No. 1878.  
A more even degree of gloss is achieved by a treatment with ALISA Hard Wax No. 302.

## Notes

**Water** The finished coating repels splash water. Wipe up standing moisture promptly – under glasses, flower pots or around sinks. On wood that is not yet saturated or coated with a layer, water may cause stains and discoloration.  
**Veneers and plywood** Apply the first coat sparingly and remove the wet film after 5 minutes. Below 0.5 mm layer thickness after sanding the product is not suitable.  
**Yellowing** In the colours White, White oak and Agate grey, yellowing is possible where little light falls.  
**Curing** During the first 4 weeks after the last coat the coating continues to cure inside. During this time avoid standing water, full-surface coverings and mechanical stress; otherwise the surface can be used.

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 p. 1).

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