



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
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## Antioxidant for carbon double-bonds

<p><b>POLYGONAL X-G</b> <b>NEW</b></p>	<p>Chelates metal-ions (like Fe-II/Fe-III, Cu-II, Ni-II) which are catalyzing the oxidation of double-bonds (C=C) and thus prevents unwanted jellification of UV-curable components or the oxidation of unsaturated compounds.</p>	<ul style="list-style-type: none"> <li>- temperature resistant</li> <li>- dosage: 40 – 400ppm</li> <li>- protects UV-inks, UV-Injekt and 3D-UV-systems</li> <li>- for waterbased and water-free systems</li> </ul>
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## UV-stabilizers (for solvent-based)

<p><b>POLYGONAL HPT-400</b> <b>NEW</b></p>	<p>High performance hydroxyphenyltriazine based UV-absorber for high-performance coatings, like:</p> <ul style="list-style-type: none"> <li>- wood-coating for outdoor applications,</li> <li>- automotive- and vehicle-coatings,</li> <li>- industrial coatings for plastics and metals and</li> <li>- construction-adhesives and sealants</li> </ul> <p>Can be used in combination with HALS-stabilizers, like POLYGONAL LS-123, POLYGONAL LS-292 or with UV-absorber POLYGONAL UV-1130.</p>	<ul style="list-style-type: none"> <li>- contains approx. 15% methoxypropylalcohol</li> <li>- high UV-absorption, also in the UV-B range</li> <li>- light colour and low migration</li> <li>- high photostability with long-term protective effect</li> <li>- high thermal stability; also suitable for baking enamels</li> <li>- not on the SVHC-candidate list (unlike some benzotriazoles)</li> </ul>
<p><b>POLYGONAL UV-1130</b> <b>NEW</b></p>	<p>Highly effective hydroxyphenyl-benzotriazole, liquid UV absorber for:</p> <ul style="list-style-type: none"> <li>- Solvent-based and aqueous coatings</li> <li>- Automotive coatings</li> <li>- Industrial coatings</li> </ul> <p>Can also be used in combination with HALS stabilizers such as POLYGONAL LS-123 or LS-292.</p>	<ul style="list-style-type: none"> <li>- contains approx. 12% poly(ethyleneglycol) 300</li> <li>- high thermal stability</li> <li>- high photostability</li> </ul>



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<b>POLYGONAL LS-123</b> <b>NEW</b>	<p><b>Liquid</b>, hindered amine light stabilizer (HALS) of the type N-OR for:</p> <ul style="list-style-type: none"> <li>- Acrylics, sealants, adhesives, rubber, toughness-modified polyolefin blends (TPE, TPO), vinyl polymers (PVC, PVB), PP and unsaturated polyesters</li> </ul>	<ul style="list-style-type: none"> <li>- low alkalinity, and therefore prevents interactions with acidic paint components like, for example catalysts</li> <li>- prevents cracking and loss of gloss in clear coats</li> <li>- prevents chalking in pigmented coatings</li> </ul>
<b>POLYGONAL LS-292</b> <b>NEW</b>	<p><b>Liquid</b>, hindered amine light stabilizer (HALS) of the type N-CH<sub>3</sub> :</p> <ul style="list-style-type: none"> <li>- PP, PE, styrenes, unsaturated polyesters, acrylates, vinyl polymers</li> <li>- elastomers, adhesives</li> <li>- sealants and coatings</li> </ul> <p>Can be used in combination with phenol and phosphite antioxidants and UV absorbers.</p>	<ul style="list-style-type: none"> <li>- the liquid form and solubility properties are suitable for coatings, printing inks and polyurethane coatings</li> </ul>
<b>POLYGONAL TEMPO-F</b>	<p><b>Flakes</b>, HALS additive (water-soluble) <b>prevents</b> premature ageing, discoloration, <b>and yellowing of lignin</b> (wood component).</p> <p>Extending the service life of parquet, furniture, doors, panels, roofs, fences, windows, shingles, boats, piers and much more.</p> <p>For:</p> <ul style="list-style-type: none"> <li>- industrial and 'do-it-yourself' wood stains and glazes</li> <li>- clear lacquers and sealing lacquers for wood</li> <li>- protective wood varnishes (including antifouling)</li> <li>- impregnation of wood</li> <li>- wood waxes and polishes</li> <li>- NOT for UV-curing lacquers</li> </ul>	<ul style="list-style-type: none"> <li>- <b>dust-free</b>, in flake form</li> <li>- <b>soluble in water</b></li> <li>- excellent inhibition of photooxidation of lignin</li> <li>- simple wood pre-treatment as aqueous dilution</li> <li>- melting point: ~70°C</li> </ul>