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## **EMULSIFIABLE WAXES**

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## EMULSIFIABLE WAXES AND THEIR CORRESPONDING LIQUID VERSIONS

Chemical Character	Oxidized HDPE waxes	Oxidized LDPE waxes	Oxidized Fischer-Tropsch waxes	Paraffins	Hybrid waxes	Bio based Carnauba waxes	Bio based Sugar cane waxes
Emulsifiable waxes	DEUREX® EO 45 DEUREX® EO 46 DEUREX® EO 47	DEUREX® EO 75 DEUREX® EO 76 DEUREX® EO 77 DEUREX® EO 78	DEUREX® TO 82 DEUREX® TO 83 DEUREX® TO 84	DEUREX® T 15 DEUREX® T 16	DEUREX® H 81 DEUREX® H 85	DEUREX® X 55 DEUREX® H 73	DEUREX® X 52
INDUSTRIES  Adhesives Agrochemicals Care products Construction chemicals Deforming lubricants Fruit coatings Inks and Coatings Lacquers Leather Organic Coatings Paper Polishes Textiles	<ul> <li>Hard waxes</li> <li>Overprint varnishes</li> <li>Can &amp; Coil coatings</li> <li>Temperature stability</li> <li>Anti blocking</li> <li>Slip agent</li> <li>Mar resistance</li> <li>Abrasion resistance</li> <li>Dispersing agent</li> <li>FDA approvals</li> <li>Water repellency</li> <li>Gloss</li> <li>Lubricant</li> <li>Dispersing agent</li> <li>FDA approvals</li> </ul>	<ul> <li>Soft, flexible waxes</li> <li>Paper, Leather industry</li> <li>Perfect price performce</li> <li>Textile finishing</li> <li>Sewability</li> <li>Anti blocking</li> <li>Slip agent</li> <li>Abrasion resistance</li> <li>Water repellency</li> <li>Gloss</li> <li>Lubricant</li> <li>Dispersing agent</li> <li>FDA approvals</li> <li>Citrus fruit coatings</li> </ul>	<ul> <li>Matting</li> <li>Anti blocking</li> <li>Harder than PE waxes</li> <li>Slip agent</li> <li>Mar resistance</li> <li>Abrasion resistance</li> <li>Water repellency</li> <li>Lubricant</li> <li>Dispersing agent</li> <li>FDA approvals</li> <li>From low acid value</li> <li>(=hydrophobic) to high acid value (hydrophilic)</li> </ul>	<ul> <li>Improved tackiness</li> <li>Lubricant</li> <li>Oil free paraffin</li> <li>Viscosity regulation</li> <li>Adhesion at high temperatures</li> <li>Water repellency</li> <li>Improved gloss</li> <li>Slip agent</li> <li>FDA approvals</li> <li>Bestseller in paper applications</li> </ul>	<ul> <li>Homogeneously melted hybrids</li> <li>Contain renewable and synthetic waxes</li> <li>Care products and polishes</li> <li>Provide silky gloss</li> <li>Water repellency</li> </ul>	<ul> <li>Bio based waxes</li> <li>Based on food additives</li> <li>E 903 Carnauba,</li> <li>E 905 Micro-crystalline waxes</li> <li>Direct food can coatings</li> <li>Direct food packaging</li> <li>Edible colours</li> <li>Anti blocking</li> <li>Slip agent</li> <li>Mar resistance</li> <li>Abrasion resistance</li> <li>Water repellency</li> <li>Gloss</li> </ul>	Renewable Biodegradable Compostable (DIN EN 13432) For bio based applications Easy to emulsify Moisture proof Water repellency Viscosity regulation Slip agent Anti blocking Very flexible Easy incorporation

VISCOSITY @140°C, mPas WAX EMULSIONS	3,000 - 9,000	< 20	< 20	< 5	< 40	< 40	< 40
VISCOSITY @140°C, mPas	3,000 - 9,000	< 20	< 20	< 5	< 40	< 40	< 40
DROP POINT °C	~ 138	110 - 1113	96 - 114	47 - 65	80 - 100	81 - 95	78 - 82