Paint Driers

Ege Kimya has the largest production capacity of paint driers in Eastern Europe and the Middle East. With our paint driers, we serve manufacturers of solvent and alkyd based paint and off-set printing inks. Ege Kimya promotes its paint driers with its EgeDry brand name.

EGEDry® Cobalt Octoate
A strong oxidant and the most active drier metal available. Cobalt improves the surface drying and used in conjunction with auxiliary driers (oil based paint drier as well as polyester accelerator). It is used in combination with lead or zirconium (together with calcium) depending on environmentally friendly formulations, and it improves the surface drying as well as through dry. Common usage levels are between 0.02 to 0.05 % based on metal on vehicle solids.

Products

Active Zinc Oxide
Zinc Oxide
Precipitated Silicas and Aluminium Silicates
Antitack (Batch-off)
Metal Carboxylates
Paint Driers
Catalysts
EGEDry® Cobalt Neodecanoate
The water solubility of cobalt neodecanoate is lower than cobalt octoate. And this product is recommended during transition period of REACH.

EGEDry® Prime
Performance equivalently to a classical cobalt drier with added benefits of low toxicity and hazards. Independent lab studies proved that EGEDRY PRÝME is non-mutagenic and non-genotoxic. Studies also showed that EGEDRY PRÝME is not sensitizing or irritant to skin. This product comes in a polymeric form, hence is exempt from REACH registration. According to CLP Regulation, polymers with no hazards do not have to be declared on product labels.

EGEDry® Zirkonium Octoate
Auxiliary paint drier that helps through drying. Replaces lead when used in combination with cobalt. Soluble in organic solvents and oils. Replaces lead when used in combination with cobalt (br environmentally acceptable system. Compared to other secondary driers, zirconium has better color, lower yellowing and good stability. Suitable in palecolored coatings and baking systems. The common usage levels are around 0.05 - 0.3 % metal (Zr) on vehicle solids.

EGEDry® Calcium Octoate
Auxiliary paint drier / wetting agent. Soluble in organic solvents and oils. Calcium is an auxiliary drier and used in combination with lead. It can be used as a good wetting agent, and it also reduces loss of dry. It improves drying characteristics at low temperature and high humidity. Common usage levels are from 0.05 to 0.2 % metal on vehicle solids

EGEDry® Lead Octoate
Auxiliary drier. Helps through drying. Soluble in organic solvents and oils. Lead is the most commonly used as auxiliary drier and gives excellent through dry and flexibility. It is used in anti-corrosion coatings, varnishes, dispersion agent (br pigments, grinding aid (br coatings. It can not be used in aluminium coatings. The usage levels are from 0.08 to 0.6 % metal (Pb) based on vehicle solids.

EGEDry® Manganese Octoate
This is the dryer of choice for printing inks among other applications. Used in dark colour paint formulations. Soluble in organic solvents and oils. Suitable (br pigmented systems. It is used in conventional architectural paints, wood coatings, printing inks, etc. The common usage levels are from 0.01 up to 0.06 % in metal on vehicle solids.

EGEDry® Polymanganese
Performance equivalently to a classical manganese drier with added advantage of low toxicity and hazards. This product comes in a polymeric form, hence is exempt from REACH registration. According to CLP Regulation, polymers with no hazards do not have to be declared on product labels.

EGEDry® Stronium Octoate
An environment friendly paint drier that replaces lead. Can also be used as stabilizer in plastics industry.

EGEDry® Copper Octoate
Rubber Adhesion Promoters
Metal Salts
Polyester Resins
Silicates
Solid Surface Countertop Materials
Inhibitor for UPR applications: extended processing time, reduction of peak temperature. Soluble in organic solvents and oils. It is not a drying agent. It is used as a fungicide in the wood industry and for impregnating textiles. (Dispersion based wood coatings). The addition levels are around 0.01% copper metal on binder (vehicle solids).

**EGEDry® Zinc Octoate**
Auxiliary drier. Improves film hardness. Soluble in organic solvents and oils. Produces a hard thoroughly dried film, but does not promote drying at low temperatures. It is a good wetting agent and improves gloss. Keep the film "open" longer. It is used as an auxiliary drying agent and in some cases as fungicide. It is an excellent pigment wetting agent, and it reduces loss of dry. Effective usage levels are between 0.03 and 0.2 % metal (Zn) on vehicle solids.

**EGEDry® Zinc Hexanoate**
Polyester / PET curing initiator, polyurethane catalyst.

**EGEDry® Lithium Neodecanoate**
Auxiliary Drier.

**EGEDry® Iron Octoate**
Paint drier for baking systems. Soluble in organic solvents and oils. It is a drying agent effective at elevated temperatures and it is used where baking paint is necessary. Iron is not effective in coatings, which dry by oxidation. Its catalytic effect is at stoving temperatures above 130°C. It can be used as dryer in baking paints and aluminium paints and also in anti - corrosion coatings. It can only be used in pigmented coatings.The addition levels are around 0.1 to 1 % iron metal based on vehicle solids.

**EGEDry® Barium Octoate**
Auxiliary drier with pigment wetting and dispersing effect. Soluble in organic solvents and oils. Barium is used as substitute for lead. It can be used as a good wetting agent, and it also reduces loss of dry. It is used as replacement for lead in free coatings to promote through drying. It has good pigment wetting properties. It improves gloss and increases stability of coating. Common usage levels are from 0.1 to 0.5 % metal on vehicle solids.

**Cobalt Replacement (EGEDry® 511)**
Cobalt free primary drier. Drier for urethane alkyd lacquers. %0.5 - %3 based on vehicle solids.

**HIGH SOLIDS:**
Mostly preferred for ink applications and low VOC paints.

<table>
<thead>
<tr>
<th>Metal</th>
<th>Metal Concentration %</th>
<th>Solvent Types</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt Octoate (Co)</td>
<td>10</td>
<td>Fatty Acid Ester</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>Manganese Octoate (Mn)</td>
<td>8</td>
<td>Fatty Acid Ester</td>
<td>Dark Brown</td>
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<tr>
<td>EGEDry 15M26E</td>
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<td>Fatty Acid Ester</td>
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<tr>
<td>EGEDry Co-free Drier</td>
<td>1</td>
<td>Fatty Acid Ester</td>
<td>Brown</td>
</tr>
</tbody>
</table>

**MIX DRIERS**
DRIERS FOR WATER BASED PAINT:

Classical driers offered in water dispersible form to be used in alkyd emulsions. Tested for hydrolysis resistance and stability. Combination or mix water dispersible types are also available. Custom ratio mixes can be developed upon request.

EGECat® Cobalt Octoate WB
EGECat® Zirkonyum Oktoat WB
EGECat® Calcium Oktoat WB