



TUBALL™ COAT_E H₂O 0.4 % (distyryl biphenyl derivative) beta

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta is a suspension of single wall carbon nanotubes in water intended for reducing the surface electrical resistance of paint coatings produced from formulations based on water.

FEATURES AND BENEFITS

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta is an easy-to-use suspension of TUBALL™ single wall carbon nanotubes in water with a concentration of 0.4%. It provides coatings with permanent anti-static and conductive properties and has only a minimal impact on transparency and other important properties of these paint coatings. In addition to water and TUBALL™ single wall carbon nanotubes, the suspension also contains distyryl biphenyl derivative as a stabiliser.

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta is suitable for coloured and transparent paint coatings; a minor effect on the colour is possible, and additional colour matching of paintwork materials may be required. The inclusion of TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta into the formulation may improve the mechanical properties of the coating such as impact strength, scratch resistance, adhesion and hardness. The effect of TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta on these properties should be studied in separate tests under the same specific conditions as for the application and formation of the paint coating, the nature and condition of the substrate material to be protected, and in specific formulations of paintwork materials (the influence of the nature of film formers, pigments, fillers and other components of paintwork materials on the physical and mechanical properties of coatings should be studied individually). In addition, other factors that determine the physical and mechanical properties of paint coatings should be studied individually.

DISPERSION COMPOSITION

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta contains:

TUBALL™ single wall carbon nanotubes	0.4 %
Water	98.8 %
Stabiliser (distyryl biphenyl derivative)	0.8 %

PHYSICAL PROPERTIES OF THE SUSPENSION

Density at 20°C

1.075 g/ml

FUNCTIONAL PROPERTIES

The suspension is a black homogeneous odorless liquid. The product can be stored for up to 6 months without loss of performance.

FIELDS OF APPLICATION

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta suspension is recommended only for waterborne systems.

Recommended applications: Waterborne construction and industrial coatings, automotive coatings, printing inks, coatings for wood materials, and adhesives. Uses in the plastics industry and in other applications are possible, including those related to electrical conductivity.

STORAGE

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta should be stored and transported at 5-50°C. Mix well before use.

IMPORTANT INFORMATION

The Products correspond to the chemical composition indicated in the Technical Data Sheet and the Material Safety Data Sheet supplied with the Product. The information contained in this document (Information) is based on trials carried out by OCSiAl and may contain inaccuracies or errors that could cause injury, loss or damage.

We do not provide any further warranties or representations in relation to the Product and/or accuracy of the Information, and/or suggestions concerning any particular use of the Product or the Information, and/or that the proposed use does not violate any patent. The Product and the Information are provided on an "as is" basis. These provisions will supersede any warranties, representations, or obligations implied by law, common law, business custom, business practice or otherwise (including implied obligations with respect to satisfactory quality, compliance with the description, fitness for a particular purpose and reasonable degree of skills and care), all of which are hereby excluded to the fullest extent permitted by the applicable law.

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