



TUBALL™ COAT_E beta

H₂O 0.4% (distyryl biphenyl derivative)

Code 10HO25

TECHNICAL DATA SHEET

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta is a suspension of graphene 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™ graphene 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™ graphene nanotubes, the suspension also contains distyryl biphenyl derivative as a stabilizer.

TUBALL™ COAT_E H₂O 0.4% (distyryl biphenyl derivative) beta is suitable for colored and transparent paint coatings; a minor effect on the color is possible, and additional color 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™ graphene nanotubes	0.4 %
Water	98.8 %
Stabilizer (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 12 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 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.

CONTACT INFORMATION

ASIA		EUROPE	NORTH & SOUTH AMERICA	
<p>KOREA 11F, 254-8 Gongdeok-dong, Mapo-gu, Seoul 04212, Korea +82 32 260 0407 asiapacific@ocsial.com</p> <p>HONG KONG Room 1102, 11/F, Lippo Sun Plaza, 28, Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong +852 3575 3946</p>	<p>CHINA Room 1509, Pengrunda Commercial Plaza, No. 3368 Houhaibin Road, Nanshan District, Shenzhen, Guangdong, China +86 755 867 00059</p> <p>Ground floor, Unit 4, Building 7, No.160, Basheng Road, Pudong district, Shanghai, China +86 135 9012 5295</p> <p>china@ocsial.com</p>	<p>JAPAN Tokyo, Japan 070-1421-0331 japan@ocsial.com</p> <p>INDIA Vimal intertrade PVT Ltd, Shivam centrium, Sahar road, Koldongri, Andheri East, Mumbai, 400 069, India + 91 22 6288 4200 india@ocsial.com</p>	<p>LUXEMBOURG 1 Rue de la Poudrerie, L-3364, Leudelange, Grand-Duché de Luxembourg +352 27990373 europa@ocsial.com</p> <p>SERBIA Balkanska 21, Belgrade, Serbia +381 692083170 balkan@ocsial.com</p>	<p>USA 950 Taylor Station Road, Suite #W, Gahanna, OH 43230, USA +1 415 906 5271 usa@ocsial.com</p>