DUBL-CHEK UNDERWATER No.1
UNDERWATER MAGNETIC OXIDE PARTICLES

Description: DUBL-CHEK Underwater No. 1 is red particles pre-mixed with a powdered Wetting Agent for use in underwater inspection. The particles are used with visible light, black light and blue light. The particles are large for better enhancement of large weld discontinuities. Designed to be used for a variety of underwater inspections, including offshore structural welds, pipeline inspection and ship husbandry.

Properties
Particle Colour: Fluorescent Red / Red
Specific Gravity: 0.9 g/ml
Particle Size: 8.4 µm (average 1.2 µm)
Temperature limit: 0°C to 49°C

Packaging
1kg Product Code: 1554/2LBS
11.5kg Product Code: 1554/25LBS

Storage /Shelf Life
Keep away from moisture and sunlight.
Keep the container closed when not in use.
Shelf life: 36 months (3 years) from date of manufacture.
Refer to NDT Shelf Life and Storage Recommendations for further information.

Batch Numbers
Batch numbers can be found on the bottom of aerosol cans or labels of bulk containers. Certificate of Conformance documents are provided with the product or can be downloaded from www.callington.com

Special Features
Particles are easily agitated, fast acting and produce defined indications
Wide range of sensitivity through its broad range of particle sizes
High probability of detection for fine non-visual discontinuities as well as enhancement of larger discontinuities.
Instructions
Note: These instructions describe the basic process, but they may need to be amended by the user to comply with applicable specifications and/or inspection criteria provided by the contracting agency.

DUBL-CHEK Underwater No. 1 is to be added at a concentration of 15 grams/litre of water. The preparation may vary due to customer practice and specific application. The storage reservoir should have mechanical or air agitation to help keep the particles in suspension.

It is recommended that adequate particle concentration for the specific application be checked by use of a magnetic field indicator or by observation of the particles applied to a magnetisation device (i.e., electromagnet yoke leg).

When these particles are used in a salt water environment, a fresh batch solution should be made daily to prevent corrosion of the particles.

Health & Safety
Use with adequate ventilation and away from spark, fire or open flames. Avoid prolonged or repeated contact with skin. Do not breathe gas, fumes, vapour or spray. Consult the MSDS for more Safety and Health information.

Get medical attention if irritation develops and persists. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

WARRANTY – All statements, information and data presented herein are believed to be accuracy and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use if free of patent infringement and are not recommendations to infringe on any patent.

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