

TECHNICAL DATA SHEET

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 1.2µm)
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.

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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.

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