

## TECHNICAL DATA SHEET

# GREY POWDER No. 6

## Grey Magnetic Dry Dusting Powder

Code 1545

### DESCRIPTION

DUBL-CHEK Grey Powder No. 6 is a highly refined non-fluorescent grey magnetic powder used for dry method magnetic particle inspection. It is designed to be used in visible light to reveal discontinuities. The particles respond to magnetic leakage fields created by discontinuities in ferromagnetic material. Particles rapidly collect at leakage fields producing grey indications.

### FEATURES & BENEFITS

- Particles are easily agitated, fast acting and produce defined indications
- Particles meet specification requirements
- Can be used with both stationary and portable magnetic test equipment
- Can be used at elevated temperatures
- The grey colour gives a clear contrasting colour to backgrounds

### PHYSICAL PROPERTIES

Particle Colour: Grey  
Specific Gravity: 2.5 – 3.0 g/ml  
Particle Size: 15 – 160 µm (average 75µm)  
Temperature Limits: 427°C

### SPECIFICATION COMPLIANCE

- ASTM-E1444
- AMS 3040
- MIL-STD-271
- NAVSEA 250-1500-1
- NTR-1E

### ORDERING INFORMATION

Product Code	Packaging
1545/450	450 grams
1545/50LBS	22.5kgs (5.9 gallons)

### 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](http://www.callington.com)

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### DIRECTIONS

**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.

1. Clean the test surface and allow it to dry.
2. Apply Blue Powder No. 6 to the part with a powder spray bulb or powder blower.
3. Can be used with both stationary and portable magnetic test equipment.
4. Can be used at elevated temperatures.
5. The grey colour gives a clear contrasting colour to backgrounds.

### 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.

### HEALTH & SAFETY

Consult the MSDS for 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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