

## TECHNICAL DATA SHEET

### NDT Shelf Life and Storage Recommendations

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#### Aerosol Products

##### **Shelf life: 3 years from Date of Manufacture (DOM or DOF)**

The shelf life is the length of time Callington warrants the Sherwin DUBL-CHEK unopened products to perform consistent to its intended purpose during storage.

The shelf life of an aerosol is three years from date of manufacture. This is due to the propellant and not the bulk contents. The neoprene (rubber) valve gasket eventually deteriorates and may cause loss of pressure rendering the product unusable. If the product can be sprayed, it can be used. The contents are protected against contamination as they are sealed inside.

**Storage:** The temperature range for storage is a function of prolonging the amount of propellant within the aerosol. The ideal storage temperature range for aerosols is 10°C (50°F) to 32°C (90°F). Freezing temperatures and temperatures above 48°C (120°F) must be avoided as well as prolonged exposure to the sun's rays.

#### Bulk Products

##### **Shelf life: 5 years from Date of Manufacture (DOM or DOF)**

The shelf life is the length of time Callington warrants the Sherwin DUBL-CHEK unopened products to perform consistent to its intended purpose during storage.

The shelf life for penetrants, emulsifiers, cleaners/removers and magnetic particle fluids packaged in drums, pails and cans in their original sealed containers is five years from date of manufacture. If the contents are not contaminated, are stored in sealed containers and protected against deterioration; e.g. UV radiation, temperatures outside recommendations' (see below); then the materials will perform for many more years.

**In-Use Products or Opened Containers:** The life of material in an open container depends primarily on the level and type of contamination such as water, shop oils and cleaning agents introduced into the material. Temperature, exposure to sunlight, UV light and in some instances evaporation can affect the life of materials. It is strongly recommended that in-use penetrant materials and magnetic particle suspensions be tested in accordance with ASTM E 1417 and ASTM E 1444.

**Storage:** The ideal storage temperature range for materials is from 10°C (50°F) to 32°C (90°F). Freezing temperatures and temperatures above 48°C (120°F) must be avoided as well as prolonged exposure to the sun's rays.

#### NOTE:

- **Batch numbers, DOM or DOF can be found on the bottom of aerosols or labels of bulk containers.**
- **Before the shelf life period ends, aerosols may not spray well due to a loss in propellant. Please contact Callington immediately if this occurs.**
- **If stored correctly, all penetrant and magnetic particle products may meet quality requirements beyond the specified shelf life. Contact Callington if materials are to be used outside of the time specified.**
- **If there is any question concerning product integrity, then it should be tested to ASTM E 1417 or ASTM E 1444 for compliance to requirements for in-use inspection materials. If the product is used after its shelf life, then compliance testing is recommended.**

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