

## TECHNICAL DATA SHEET

# CalCheck™ VP-2S

## Solvent Removable Visible Penetrant

Code 1561

### DESCRIPTION

CalCheck™ VP-2S is a solvent removable, visible penetrant designed to readily locate and flow into surface-breaking defects on ferrous and non-ferrous metals, ceramics and glass.

CalCheck™ VP-2S is the first of a three-step process along with CalCheck™ R-2S Cleaner/ Remover and CalCheck™ D-2 Developer.

### FEATURES & BENEFITS

- Brings flaws into sharper, clearer focus with more intense colour.
- Performs more reliably over a greater range of temperatures.
- High surface wetting provides rapid surface coverage and maximum capillary action.
- Suitable on a wide range of materials and components without corrosion.
- Long lasting flaw mark indications with less fading.
- Meets stringent low sulfur and chloride requirements.
- Greater convenience and portability in aerosol form.

### 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. SHAKE the aerosol can thoroughly to ensure the contents are consistently mixed.
2. CLEAR the nozzle of the aerosol can before use by depressing the nozzle and position the can around 20cm from the surface of the test area. Note that the ambient temperature and wind (if using outdoors) will require this distance to be changed for optimum performance.
3. PREPARE the test area by cleaning the surface with cleaner/remover such as CalCheck™ R-2S. Allow 30 seconds dwell time before wiping CalCheck™ R-2S Cleaner/Remover from the surface with a clean, dry, lint-free rag or towel.
4. APPLY a thin even film of CalCheck™ VP-2S penetrant to the test area. Allow 5-30 minutes dwell time based on any defined procedure requirement.
5. REMOVE excess penetrant from the test area using a lint-free cloth moistened with CalCheck™ R-2S cleaner/remover and allow to dry.
6. DEVELOP by spraying CalCheck™ D-2 developer directly on to the test area. Allow 10-30 minutes development time based on any defined procedure requirement.
7. INSPECT the test area for discontinuities under suitable visible lighting.
8. REMOVE all penetrant from the test area by cleaning with CalCheck™ R-2S cleaner/remover.



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### PHYSICAL PROPERTIES

|                  |  |
|------------------|--|
| Colour:          | Red  |
| Odour:           | Low / Characteristic of petroleum distillate |
| Density:         | 0.85g/ml                                     |
| Viscosity @38°C: | 4.0 cSt                                      |
| Flash Point:     | 104°C  |

### ORDERING INFORMATION

| Product Code | Packaging       |
|--------------|-----------------|
| 1561/400     | 400ml (Aerosol) |

### SPECIFICATION COMPLIANCE

- ASME BPVC Section V
- ASTM E165
- AMS2644

### DANGER

Extremely flammable aerosol. Pressurized container: may burst if heated. May be fatal if swallowed and enters airways Causes skin irritation.

### PRECAUTION

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

### FIRST AID

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/physician/first aider/if you feel unwell. If eye irritation persists get medical; advice/attention.

### STORAGE

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122 °F.

### DISPOSAL

Dispose of contents/container in accordance with any local regulation.

### SHELF LIFE

60 months (5 years) from date of manufacture.

### 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 download from

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

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