



## RED-MARK R-1SD(NT)Special Solvent based developer

R-1SD(NT)Special is a solvent-based, fast-drying developer with excellent drying performance. This quick-drying developer creates a highly concealing white coating that draws out penetrants in defects by capillary action, forming an amplified defect indication pattern due to the contrast between the red penetrant and the white developer. It offers superior drying performance compared to the standard R-1S(NT)Special type, especially excelling in low-temperature environments during winter.

It is used for weld quality checks, maintenance, quality inspections, periodic inspections, and on austenitic stainless steel. It complies with JIS Z 2343 standards as Type II (dye penetrant) and Form e (organic solvent-based for Type II).

### ■ FEATURES

- Excellent drying performance.
- Forms a white coating with high absorption power for penetrant liquid.
- Low-halogen and low-sulfur type.
- Available in an easy-to-carry aerosol type.
- Maintains excellent drying performance even in low-temperature environments during winter.

### ■ PROPERTIES

Color	White suspension
Odor	Alcohol Odor
Flash Point	14°F/-10°C
Fire Service Act	Class 4 and Class 1 Petroleum (Non-water-soluble)

### ■ SPECIFICATION CONFORMANCE

- EN-ISO 3452-2
- JIS Z 2343-2
- ASME B&PV Code, Sec.V

\* Please contact us regarding compliance to the latest standards and standards not listed in this TDS.

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## APPLICATIONS

- Welds
- Castings
- Forgings
- Pressure vessels
- General metals
- Austenitic stainless steel

## SPECIFICATION

How to Use →



NDT Method	Penetrant testing (PT) / Solvent based developer
Type	Type II (Dye)
Method	Form e (Organic Solvent-Based for Type II)
Storage Temperature	Can : 32°F~104°F (0°C~40°C) / Aerosol : less than 104°F (40°C)
Usage Temperature	14°F~212°F / -10°C ~ +100°C
Quality assurance period	3 years from the manufacturing date for both cans and aerosols
Disposal	Aerosol: After using up the contents, press the button outside in a fire-free area until the spray sound disappears, vent the gas completely. Can: Dispose empty can in a safe manner in accordance with local/national regulations.

## CONTAINER

Can Type: 3.8L and 18L Can

Aerosol Type: 450 Aerosol

## SERVICE/CONTACT

Please be sure to read the SDS (Safety Data Sheet) before use.

Please download the SDS from our website or contact our nearest sales office or distributor.

For other inquiries about our products, please contact our nearest sales office.

Contact us →

