

## RED-MARK R-1AH(NT) Solvent removable dye penetrant for high temperatures

R-1AH(NT) is a solvent-removable dye penetrant designed for high-temperature applications. The high-temperature series has a proven track record in crack detection, particularly for inspections immediately after following welding. It can reliably detect clear red-and-white contrast indications of cracks on virtually all inspection objects, except for plastic and porous materials, making it ideal for preventive maintenance and quality inspections during manufacturing. For optimal performance, it is recommended to use R-1AH(NT) in combination with the high-temperature series cleaner/remover R-1MH(NT) and developer R-1SH(NT).

R-1AH(NT) conforms to JIS Z 2343, classified as Type II (dye), Method C (solvent removable). Furthermore, under JIS Z 2343-5, when used as part of the high-temperature family, it is classified as Type II (dye), Method C (solvent removable), Class 2 (remover: non-halogenated organic solvent), Form e (quick-drying developer for Type II), Level 2, and Temperature F (operating range: 194-392°F/90-200°C).

### ■ FEATURES

- Detects red crack indications with high color contrast in just a few simple steps.
- Excellent wettability, quickly covering the test surface.
- Enables crack detection at high temperatures up to 392°F/200°C when used as part of the high-temperature family.
- Available in a portable, easy-to-use aerosol type for enhanced convenience and usability.

### ■ PROPERTIES

Color	Dark red liquid
Odor	Petrol odor
Flash point	> 158°F / > 70°C
Viscosity	4.0cSt
Fire Service Act	Class 4 and Class 3 petroleum (non-water-soluble)

### ■ SPECIFICATION CONFORMANCE

- EN-ISO 3452-2
- JIS Z 2343-2

\* 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

### SPECIFICATION



NDT Method	Penetrant testing (PT) / Solvent removable dye penetrant
Type	Type II (Dye)
Method	C (Solvent removable)
Sensitivity Level	JIS Z 2343-2 Sensitivity Level 2
Storage Temperature	Can : 32°F~104°F(0°C~40°C) / Aerosol : less than 104°F(40°C)
Usage Temperature	194°F~392°F/90°C~200°C
Quality assurance period	3 years from the manufacturing date
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 : 3.8 L and 18 L Can, 200 L drum

Aerosol Type : 450 type 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.

