

#### Approvals and conformities

ASME

RCC-M

PMUC (French acronym for : Products and Equipments allowed for use in Powerplants by EDF - French Electricity Bo

#### Manufacturer : NDT-Europa (NL)

#### Description / Application :

Translucent semi water-based glycerinated pink gel, biodegradable.

It was specially developed in order to make ultrasonic testing on yards and wide surfaces easier.

SG1 gel characteristic ensures a good adhesion on pieces to be tested, whatever their position. SG1 excellent wetting enables a very good acoustic transmission even on fatty parts and not perfectly degreased.

SG1 couplant has no corrosive effect on all metals.

SG1 has no effect too on paints, plastic and rubber.

However it shall not be used on composites before repair.

The normal temperature range is 0°C to 50°C, the use is possible at higher temperature but the gel liquefies gradually.

The viscosity increases with evaporation of water.

#### Companion products: /

### DIRECTIONS FOR USE

- Apply on the part to be tested and then move US probe.
- After testing, cleaning can be carried out with water or solvents. It is easy to wipe with cloth.
- For a thorough cleaning, the residual presence of gel with pink fluorescent tracer incorporated can be controlled under UV-A.
- Do not use the product on unpainted composites structures or damaged composites structures before repair.

### TECHNICAL CHARACTERISTICS

Compatible with all metals, ceramics, and certain synthetic substances.

#### Biodegradability :

According to the biodegradability test in aerobic and according to OECD 302B criteria, SG1 has shown

capacities at inherent biodegradability.

The result is positive (biodegradability >70%) but this does not mean that the effluents of SG1 can be released into natural environments, however an effluent discharge into water treatment plant is entirely possible: contact the entity managing the wastewater networks in your area.

Appearance . . . . . translucent pink gel

Fluorescence . . . . . pink

## ***PRECAUTIONS FOR USE AND STORAGE***

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**Transport / Handling:** Refer to Material Safety Data Sheet (MSDS).

**Storage :** Temperature range: 5°C à 40°C

Keep packaging closed after taking out some of the product.

**This technical data sheet replaces and cancels the previous one.**