UCA-3(HT)

HIGH TEMPERATURE ULTRASOUND FLUID

1 Description

UCA-3(HT) is a colorless product with the consistency of grease, consisting of a blend of silicone and organic compounds, corrosion inhibitors and thickening agents. It is specially formulated to be used at high temperatures, from 40°C up to 250°C

UCA-3(HT) does not exhibit thixotropic properties but its physical form ensures it stays in position when applied and does not drip or run from the part under test. The excellent wetting properties ensure free and even movement of ultrasonic probes over both rough and smooth surfaces with immediate and excellent acoustic transmission.

Due to the presence of special organic corrosion inhibitors, the product will not corrode most metals. The product is low in sulphur and halogens and essentially ash free on ignition (see Typical Properties below).

2 Physical and chemical properties

Property	UCA-3(HT)
Density	Approx. 1 g/cm³
Velocity of sound in UCA-3(HT)	1675 metres/ second
Sulphur	< 50ppm
Chlorine	< 50ppm
Fluorine	< 10ppm
Bromine	< 10ppm
Ash	< 0.1%

These are typical values only and do not constitute a specification.

3 Method of Use

UCA-3(HT) is used as supplied.

UCA-3(HT) is normally applied by hand or with a soft bristle brush. UCA-3(HT) can be removed with alcohol, acetone or a similar solvent.

4 Effects on material

UCA-3(HT) contains no powerful solvents and is therefore without effect on painted surfaces, plastics, synthetic or natural rubbers.

5 Storage

Store in a cool place (5 – 40 °C), with protection from freezing conditions. Shelf life is 60 months.

6 Labor and environmental protection

Before operating the process described it is important that this complete document, together with any relevant Safety Data sheets, be read and understood.

All local and national regulations on the transport, storage, use and waste treatment of chemicals in concentrated or diluted form and as working solutions must be obeyed.

7 General Information

Chemetall supplies a wide range of chemical products and associated equipment for cleaning, descaling, paint and carbon removal, metal working and protection and non-destructive testing. Sales Executives are available to advice on specific problems and applications.

The above details have been compiled to the best of our knowledge on the basis of tests and research work and with regard to the current state of our practical experience. This technical product information is non-binding. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to us. Statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The reproduction of any or all of the information contained in this leaflet is expressly forbidden without Chemetall's prior written consent.

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