



## SONAGEL HT1

### ULTRASONIC COUPLANT

<b>APPEARANCE:</b>	Thick Translucent Paste
<b>DENSITY@ 20°C:</b>	0.99 Grams/CC
<b>FLASH POINT (PM):</b>	>315°C
<b>PH VALUE:</b>	N/A
<b>SOLUBILITY:</b>	Insoluble in Water
<b>SULPHUR:</b>	<50 P.P.M
<b>HALOGENS:</b>	<50 P.P.M
<b>CORROSION:</b>	Non-corrosive
<b>TEMPERATURE RANGE:</b>	0°C to 250°C
<b>REMOVABILITY:</b>	Alcohol or similar solvent
<b>AUTO IGNITION TEMPERATURE:</b>	>400°C

Sonagel HT1 is a thick translucent paste specifically designed for ultrasonic inspection at temperatures up to 250°C and is non-toxic and safe for the environment.

This product is designed for use on all types of metallic surface and allows smooth probe movement during testing, at elevated temperatures. This gives good probe contact and acoustic transmission and prevents flow over the test area. It is very economical to use as you only cover the working area and not the whole piece.

Sonagel HT1 incorporates chemicals, which do not dry out at elevated temperatures, whilst being free of VOC's and other hazardous materials. The couplant is easily removed with solvents such as Alcohol, Acetone or Hydrocarbon distillates.

Hazardous decomposition does not occur at elevated temperatures, the product will start to liquefy as temperatures increase up to 300°C

Sonagel HT1 is available in easy to use 100gram tubes as well as in plastic 1 litre and 5 litre bulk containers (both with suitable carrying handles).



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Registered in England No. 865293

Certificate  
No. Q5036





## **1. HEALTH & SAFETY DATA SHEET**

**Product Name:** Sonagel HT1 – High temperature couplant

**Application:** Ultrasonic inspection of components and structures

## **2. COMPOSITION/INFORMATION OF INGREDIENTS**

Non-hazardous Polydimethylsiloxane

## **3. HAZARDS IDENTIFICATION**

None

## **4. FIRST AID MEASURES**

**Skin:** Wash skin thoroughly with soap and water.

**Eyes:** Irrigate eyes with plenty of water for 10 minutes while holding eyes open. If irritation persists seek medical attention

**Ingestion:** Low toxicity by ingestion may be harmful if ingested in quantity, drink some water to dilute.

**Inhalation:** No inhalation hazard

## **5. FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water spray, Alcohol resistant foam, Sand, Carbon Dioxide or dry powder.

**Special Protective Equipment:** Wear self-contained breathing apparatus and protective clothing

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Avoid eye contact

**Environmental Precautions:** Prevent entry to drains and sewers

**Methods for cleaning:** Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal, wash site of spillage with water and detergent.



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## **7. HANDLING AND STORAGE**

**Handling:** Avoid contact with eyes

**Storage:** No special measures required

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory:** Not applicable

**Hands:** Not applicable

**Skin:** Not applicable

**Eyes:** Goggles or facial mask

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Thick translucent paste

**Odour:** Mild odour

**Boiling Point/Range:** >250°C

**Flash Point (°C) (PMCC):** >315°C

**Auto-flammability:** >400°C

**Freezing Point:** -41°C

**Density at 25°C:** 0.980 – 1.010g/cm<sup>3</sup>

**Solubility in water (km/m<sup>3</sup>):** Not soluble

## **10. STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to avoid:** None known

**Materials to avoid:** None known

**Hazardous Decomposition Products:** None known

## **11. TOXICOLOGICAL INFORMATION**

**Eye Contact:** May cause temporary discomfort

**Skin Contact:** No significant effects

**Ingestion:** No significant effects

**Inhalation:** No significant effects



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**Long Term Exposure Effects:** Not known

## **12. ECOLOGICAL INFORMATION**

**Biodegradability:** Not known

**Aquatic Toxic:** Not known

**COD:** Not known

## **13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable local regulations.

## **14. TRANSPORT INFORMATION**

E.E.C Regulations	UN No:	None	
Road & Rail Transport (ADR/RID)	Class	None	Item None

## **15. REGULATORY INFORMATION:**

Not classified as hazardous to users, No labelling needed.

## **16. OTHER INFORMATION**

### **Sources of key data used to compile safety data sheet:**

Raw Material Suppliers - Material Safety Data Sheets  
HSE EH40/96 Occupational Exposure Limits (HSE)

The information in this Safety Data sheet is based on the present state of our knowledge and on current EEC and National Laws, as users' working conditions are beyond our knowledge and control. This product is not to be used for other purposes other than those specified under SECTION 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product, it is not to be considered as a guarantee of the products properties.

### **The information in this Safety Data Sheet is pursuant of:**

- A) The chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 1996



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**B)** Council Directive 92/32/EEC (03 No L154, 5-6-92. p1) amending the 7<sup>th</sup> time Council Directive 67/457/EEC (03 No 196. 16-8-67. p1.) (03/SE 1967, p234) in so far as these provisions relate to the classification, packaging and labelling of dangerous substances.

**C)** Council Directive 88/379/EEC (03 No LI187, 16-7-88. p14) as amended by Commission Directive 90/492 EEC (03 No L275 5-10-90 p35) on the classification, packaging and labelling of dangerous preparations.

**D)** Council Directive 78/631/EEC (03 No L204, 29-7-78 p13) on the classification, packaging and labelling of dangerous substances (pesticides); and

**E)** Commission Directive 91/115/EEC (03 No L76 22-3-91 p35) on system of specific information relating to dangerous preparations (Safety Data sheets) except in so far as those directives relate to the provision of child resistant fastenings for certain packages containing dangerous substances and preparations.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.



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