



## SONAGEL O

### ULTRASONIC COUPLANT

<b>APPEARANCE:</b>	Orange Gel
<b>DENSITY@ 20°C:</b>	0.94 Grams/CC
<b>FLASH POINT (PM):</b>	175°C
<b>PH VALUE:</b>	N/A
<b>SOLUBILITY:</b>	Insoluble in water. Soluble in solvents
<b>SULPHUR:</b>	<50 P.P.M
<b>HALOGENS:</b>	<50 P.P.M
<b>CORROSION:</b>	Non-corrosive to most metals
<b>TEMPERATURE RANGE:</b>	-10°C to 160°C
<b>REMOVABILITY:</b>	Water, alcohol or similar solvent

Sonagel O is a stable mini-transparent orange gel specifically designed for ultrasonic inspection and it is non-toxic and safe for the environment. It is intended as a replacement for mineral oils and greases; and it retains its gel state without causing corrosion or drying on the test surface.

This product is designed for use on all types of metallic surface and is especially suited to solving the problems of rough, pitted, uneven surfaces allowing smooth probe movement during testing. The thixotropic properties of this couplant give excellent wetting and acoustic transmission and do not allow the product to flow all over the test area. This makes it very economical to use as you only cover the working area and not the whole piece, and is especially suitable for vertical and overhead surfaces

Sonagel O incorporates chemicals, which allow very slow drying even at elevated temperatures, whilst being free of VOC's and other hazardous materials. However, it does contain a special tracer dye to enable areas to be checked for coverage but the couplant is still very easily removed with gentle water washing or solvent wipes.

Sonagel O is available in easy to use 125 mls applicator bottles as well as in plastic 1 litre and 25 litre bulk containers (both with suitable carrying handles)



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No. Q5036





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

**Product Name:** Sonagel O (010) (025)

**Application:** Ultrasonic inspection of components

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

A blend of severely hydro treated Napthenic Oils with thickening/thixotropic agents, non-ionic surfactants and corrosion inhibitors. None of the component materials are listed in Chemicals (Hazard Information and Packaging for Supply) Amendment Regulations 1996.

## **3. HAZARDS IDENTIFICATION**

Possible eye irritation

Possible skin irritation from prolonged contact.

## **4. FIRST AID MEASURES**

**Skin:** Remove contaminated clothing, Launder before re-use. Remove adhering matter and wash skin thoroughly with mild soap and water. Flush skin with lukewarm water

**Eyes:** Immediately flush eyes with water for 15 minutes while holding eyes open. If irritation persists seek medical attention

**Ingestion:** Obtain medical attention immediately if significant quantity ingested. Give lukewarm water if completely conscious but **DO NOT INDUCE VOMITING.**

## **5. FIRE FIGHTING MEASURES**

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

**Unsuitable Extinguishing Media:** Water

**Special Protective Equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.



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## **6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Extinguish or turn off all sources of ignition. Obtain protective gloves and goggles or face mask.

**Environmental Precautions:** Gelled nature of product will minimise any flow. Prevent entry to drains or sewers.

**Methods for cleaning:** Scrape up any spilled material. Apply absorbent material (sand, sawdust or granules) to residue, wash spillage area with water.

## **7. HANDLING AND STORAGE**

**Handling:** Minimise skin contact by use of PVC or rubber gloves, wear chemical goggles or similar eye protection.

**Storage:** Store in sealed containers in covered storage areas away from sources of heat at temperatures below 50°C

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

**Take measures to prevent:** Contact with eyes and skin

**Respiratory:** Not required under normal conditions of use. Ensure good ventilation. If high temperatures are generated absorbent masks or respirators will be required.

**Hands:** Plastic surgical-type gloves recommended

**Skin:** Normal work-wear long-sleeved overalls are recommended, also impervious aprons and gauntlets if there is a risk of frequent contact.

**Eyes:** Wear safety glasses or chemical goggles where there is any risk of product splashing in the eyes.

**Occupational Exposure Limits:** None assigned, minimise exposure by good industrial hygiene.

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

**Appearance:** Translucent orange gel.

**Odour:** Characteristic (Sweet)

**PH:** N/A

**Boiling Point/Range:** Not determined

**Melting Point/Range:** 70°C (Typical)

**Flash Point (°C) (PMCC):** Above 150°C



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**Auto-flammability\*:** Not determined  
**Explosive Properties\*:** Not determined  
**Oxidising Properties\*:** Not oxidising  
**Vapour Pressure\*:** Not determined  
**Relative Density\*:** 0.95g/ml

## **10. STABILITY AND REACTIVITY**

**Conditions to avoid:** Storage at elevated temperatures

**Materials to avoid:** Strong acids, strong alkalis and strong oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon and Pyrolysed organic compounds

## **11. TOXICOLOGICAL INFORMATION**

**Eye Contact:** Possible eye irritant.

**Skin Contact:** Frequent of prolonged contact may irritate.

**Ingestion:** Suppliers data (Rat Oral LD50) for constituent raw materials indicates no significant hazard by this route.

**Inhalation:** Prolonged inhalation overexposure to vapours may cause irritation to the mucous membranes.

## **12. ECOLOGICAL INFORMATION**

**Behaviour:** Oil bases gel with only minor proportion of water soluble components.

**Environmental Fate:** Not readily biodegradable.

**Eco-toxicity:** Not readily biodegradable. Product contains < 10% of non-ionic surfactant, which has been reported as being moderately harmful to aquatic organisms

## **13. DISPOSAL CONSIDERATIONS**

**Likely residues/Waste products:** Chemically unchanged product, possibly contaminated with surface scale, paint etc.

**Safe handling of any residues/waste product:** Best disposed of by incineration at a suitable licensed waste disposal facility.

## **14. TRANSPORT INFORMATION**

**Hazard classification:** Not regulated for transport

ADR/VLG:

RID/VSG:

RID ADR Hazard I.D No:



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IMO:

CAS No: Mixture

ICAO/IATA:

## **15. REGULATORY INFORMATION**

Supply label information:

<b>Label symbol:</b>		None
<b>Risk phrase:</b>		None
<b>Safety phrase:</b>	S24	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advise
	S37/39	Wear suitable gloves and eye/face protection
	S43A	In case of fire use sand, earth, dry chemical or foam.

**Note:** Actual label may not be as above if product was supplied some time previously or labelling is in transition period.

**This data sheet does not constitute a users assessment of workplace risk as required by HSW ACT, COSHH, Management of health and safety at work regulations, or other health and safety legislation.**

## **16. OTHER INFORMATION**

### **Recommended uses and restrictions:**

Sonagel O1 is an Oil based gel for use as an Ultrasonic Inspection of components.

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

Raw Material Suppliers - Material Safety Data Sheets  
HSE EH40/98 Occupational Exposure Limits (HSE)

The information in this Safety Data sheet is bases 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.



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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 1997
- 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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