



Title: Sonagel D1 - MSDS

Document Number:

SQ1012

Date Effective:

21st October 2014

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4

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1: IDENTIFICATION OF THE SUBSTANCE /PREPARATION AND THE OF THE COMPANY

Product Name: Sonagel D1

Recommended Use: Ultrasonic Couplant

Company: Sonatest Limited
Dickens Road
Old Wolverton
Milton Keynes
MK12 5QQ
England

Telephone: +44(0) 1908 316345

Telefax: +44(0) 1908 321323

Email: sales@sonatest.com

Product Safety: quality@sonatest.com

Emergency Number: +44(0) 7974406359

2: COMPOSITION AND INFORMATION ON INGREDIENTS

All ingredients in the formula are non-hazardous, unless specified in Sections 3 and 11.

3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Causes eye irritation.

Potential Chronic Health Effects:

Carcinogenic Effects: No data available to indicate product or additional components present at greater than 0.1% are carcinogenic or suspect carcinogenic by NTP, IARC or OSHA.

Mutagenic Effects: No data available to indicate product or additional components present at greater than 0.1% are mutagenic or genotoxic.

Teratogenic Effects: No data available to indicate product or components present at greater than 0.1% may cause birth defects.

Development Toxicity: No data available. Pre-existing skin conditions may be aggravated by prolonged or repeated exposure.

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4: FIRST AID MEASURES:

Eyes:	Check for removal of contact lenses. Immediately flush cold running water for at least 15 minutes, keeping eyes open. Seek medical attention.
Skin Contact:	Wash with soap and water. Seek medical attention if irritation develops. Launder contaminated clothing before reuse.
Ingestion:	Do NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention.
Inhalation:	Remove to fresh air. If breathing has stopped, apply artificial respiration. Seek medical attention.

5: FIRE FIGHTING DATA:

Flammability of Product:	Is not flammable.
Auto-Ignition Temperature:	Not determined.
Flash Point:	Not applicable.
Flammable Limits:	Not determined.
Products of Combustion:	Not determined.
Special Remarks on Fire Hazard:	Not determined.
Fire Fighting Media and Instructions:	Small Fire – Dry chemical powder Large Fire – Use water spray, fog or foam. Do not use water jet.
Special Protective Equipment:	Wear protective Fire Fighting gear including self-contained breathing apparatus in the positive pressure mode with full face mask, coat, gloves and boots.

6: Accidental Release Measures:

Small Spillage:	Wear PVC or rubber gloves and goggles or face mask. The dry powder may be cleaned up by sweeping or by vacuum. The waste product must be disposed of in accordance with local and national regulations. If the powder spillage is mixed with water, the material forms a gel and will make the surface very slippery. Remove the gelled material thoroughly and wash the surface with large quantity of clean water.
Large Spillage:	As above.

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7: HANDLING AND STORAGE:**Handling:**

Always wear suitable personal protective clothing.
Do not ingest.
Do not breathe dust.
In case of insufficient ventilation, wear suitable respiratory equipment.
If ingested, seek medical attention and show the container and/or this data sheet.

Storage:

Keep tightly closed in contained.
Keep dry, well ventilated and cool.

8: Exposure Controls/Personal Protection:**Exposure Limits:**

Not available.

Engineering Controls:

Ensure eyewash stations are proximal to work-station location.

Personal Protection:

Glove

Safety Goggles

Dust Coat

**Respiratory Protection:**

Not required under normal use.

9: PHYSICAL AND CHEMICAL PROPERTIES:**Appearance:**

Bright yellow fine powder.

Odour:

Odourless.

Taste:

Not Available.

pH:

When mixed with water at 19:1 – 7 to 8pH.

Boiling Point:

Not Applicable.

Flash Point:

Not Applicable.

Melting Point:

Not Available.

Relative Density:

Not Available.

Volatility:

Not Available.

Viscosity:

Not Available.

Solubility:

Water soluble – Gels at concentrations above 1%.

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10: STABILITY AND REACTIVITY DATA:

Stability:	Stable under normal operating temperatures.
Incompatibility:	Strong acids, strong oxidising agents
Decomposition Products:	No decomposition if used correctly.
Instability Temperature:	Not Available
Conditions of Instability:	Not Available.

11: TOXICOLOGY INFORMATION:

Route of Entry:	Absorbed through skin. Dermal contact. Eye contact.
Skin Irritation:	Irritant effects are possible.
Eye Irritation:	Irritant effects are possible.
Toxicity to Animals:	Not Available.
Chronic Effects on Humans:	No data available to indicate product is carcinogenic or suspect carcinogenic by NTP, IARC or OSHA.
Other Toxic Effects on Humans:	Pre-existing skin conditions may be aggravated by prolonged or repeated exposure.

12: ECOLOGICAL INFORMATION:

Ecotoxicity based on Component Supplier Data:

Biodegradation:	Considered to be inherently biodegradable.
Bioaccumulation:	No Data Available.
Soil Mobility:	Not Determined.
Further Information:	Product will dissolve in water. However, with limited quantities of water, product will gel which may block drains and water courses.

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13: DISPOSAL CONSIDERATIONS:

Disposal Method:

The user's attention is draw to the possible existence of regional and national regulations regarding disposal. Large quantities are best disposed of by allowing to gel to dry out and incineration of the resultant residues at a suitable licensed waste disposal facility.

14: TRANSPORT INFORMATION:

Special Provisions for Transport:

Not Required.

Road Transport Notes

Not Classified.

Rail Transport Notes

Not Classified.

Sea Transport Notes

Not Classified.

Air Transport Notes

Not Classified.

15: REGULATORY INFORMATION:

Further Information:

This product does not need to be labelled in accordance with EC directives or respective national laws.

Not a hazardous substance or preparation according to EC directives 67/548/EEC or 1999/45/EC.

DSCL (EEC)

R41	Risk of serious damage to eyes
S24	Avoid skin contact
S25	Avoid eye contact
Label Symbol	None

Protective Equipment:

Glove

Safety Goggles

Dust Coat



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16: OTHER INFORMATION:

Recommended Uses:

Sonagel D1 is dry bright yellow powder. When mixed at the recommended concentration of 19:1 with water (19 parts of water to 1 part of powder) is used as an Ultrasonic Coupling agent for probe/structure acoustic transmission enhancement.

Sources of Reference:

Raw Material Suppliers - Material Safety Data Sheets

Other Special Considerations:

None

Created:

5th July 2012

Last Updated:

21st October 2014

Reason for update:

Entire Material Safety Data Sheet updated.

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