



Title: Sonagel W - MSDS

Document Number:

SQ1013

Version Number:

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Date Effective:

17th October 2014

Page 1 of 7

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

Product Name: Sonagel W (TO9) (W250) (W1) (W5) (W25)
TO9 = 125 millilitre
W25 = 250 millilitre
W1 = 1 Litre
W5 = 5 Litre
W25 = 25 Litre

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

Australian Distributor: Russell Fraser Sales Pty Ltd
Unit 7, 38 Waratah St, Kirrawee NSW 2232
rfs@rfsales.com.au Emergency: Russell Fraser Sales; +612 9545 4433

2: COMPOSITION AND INFORMATION ON INGREDIENTS

3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Slightly irritant in case of skin contact, of eye contact, of ingestion.

Potential Chronic Health Effects:

Carcinogenic Effects: No data available to indicate that any of the constituent ingredients used at the stated concentrations are carcinogenic or suspect carcinogenic by NTP, IARC or OSHA.

Mutagenic Effects: No data available to indicate that any of the constituent ingredients used at the stated concentrations are mutagenic or genotoxic.

Sonatest Limited, Dickens Road, Old Wolverton, Milton Keynes, MK12 5QQ, ENGLAND

Tel: +44 (0) 1908 316345 Fax: +44 (0) 1908 321323

E-mail: Sales@sonatest.com Web: <http://www.sonatest.com>

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Version Number:

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Page 2 of 7

Title: Sonagel W - MSDS

Teratogenic Effects:

No data available to indicate that any of the constituent ingredients used at the stated concentrations may cause birth defects.

Development Toxicity:

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

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. Please see Special remarks on Fire Hazards below.

Auto-Ignition Temperature:

Not determined.

Flash Point:

Not applicable.

Flammable Limits:

Not determined.

Products of Combustion:

These products are carbon oxides (CO,CO₂).

Special Remarks on Fire Hazard:

When heated, the product will froth as the water component is driven off. The residual liquid may ignite at very high temperatures producing carbon oxides (CO,CO₂).

Fire Fighting Media and Instructions:

Small Fire – Dry chemical powder
Large Fire – Use water spray, fog or foam. Do not use water jet.

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Document Number:

SQ1013

Version Number:

4

Date Effective:

17th October 2014

Page 3 of 7

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. Dilute with water and mop up, or absorb with inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local authority requirements.

Large Spillage:

Wear PVC or rubber gloves and goggles or face mask. Absorb with an inert material and put the spillage in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

CAUTION:

Spilt gel may cause floors to become very slippery.

7: HANDLING AND STORAGE:

Handling:

Keep product away from heat. Avoid contact with eyes. Minimise skin contact by using PVC or rubber gloves.

Storage:

Store in sealed container in covered storage. Store below 30°C.

8: Exposure Controls/Personal Protection:

Exposure Limits:

One component material is subject to an occupational Exposure Standard of 10mg/cu mist for 8 hour time weighted average). The gelled nature of product makes such levels extremely unlikely to occur.

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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:

Transparent Yellow Gel.

Odour:

Mild.

Taste:

Not Available.

pH:

7.5pH – 8.5pH.

Boiling Point:

Initial Boiling Point 100°C.

Flash Point:

Not available.

Melting Point:

Not Available.

Relative Density:

1.03 1.05g/mL.

Volatility:

Not Available.

Viscosity:

Not Available.

Solubility:

Miscible in cold water, hot water.

10: STABILITY AND REACTIVITY DATA:

Stability:

Stable under normal operating temperatures.

Incompatibility:

Strong acids, strong oxidising agents

Decomposition Products:

After water component has been driven off carbon oxides (CO,CO₂).

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SQ1013

Version Number:

4

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Page 5 of 7

Instability Temperature:

<35°C

Conditions of Instability:

Water evaporation will occur. Speed of evaporation will depend on local work-station conditions.

11: TOXICOLOGY INFORMATION:

Route of Entry:

Absorbed through skin. Dermal contact. Eye contact.

Chronic Effects on Humans:

No data available to indicate that any of the constituent ingredients used at the stated concentrations are 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:

Not Harmful to Fish

LC50(96h)

>1000mg/l

Not Harmful to Aquatic Organisms

EC50(48h)

>1000mg/l

Biodegradation:

Component Supplier Data indicates that possible hazardous short term degradation products are unlikely.

Bioaccumulation:

Component Supplier Data indicates that bioaccumulation is unlikely.

Soil Mobility:

Not Determined.

13: DISPOSAL CONSIDERATIONS:

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Date Effective:

SQ1013

17th October 2014

Version Number:

Page 6 of 7

4

Title: Sonagel W - MSDS

Disposal Method:

Waste must be disposed of in accordance with local, national and international Environmental Control Regulations.

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:

DSCL (EEC)

S24	Avoid skin contact
S25	Avoid eye contact
Label Symbol	None

Protective Equipment:

Glove

Safety Goggles

Dust Coat



16: OTHER INFORMATION:

Recommended Uses:

Sonagel W is an aqueous gel for use as an Ultrasonic Coupling agent for probe/structure acoustic transmission enhancement.

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Page 7 of 7

Sources of Reference:

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

This MSDS 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 7th 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 L1187, 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).

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.

Other Special Considerations:

None

Created:

5th July 2012

Last Updated:

17th October 2014

Reason for update:

Corrections to sections 2 and 11

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Russell Fraser Sales Pty Ltd

Unit 7/38 Waratah St
Kirrawee NSW 2232

Ph: (02) 9545 4433
Fax: (02) 9545 4218

Email: rfs@rfsales.com.au
Web: www.rfsales.com.au

ABN: 79 074 258 549