

## MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|  |                                     |                 |                              |
|--|-------------------------------------|-----------------|------------------------------|
| Product Identifier<br>ULTRAGEL II                                      |                                     |                 |                              |
| Product Use<br>Nondestructive Testing (NDT) Ultrasonic Couplant        |                                     |                 |                              |
| Manufacturer's Name<br>Ultrasound Enterprises Ltd.                     |                                     | Supplier's Name |                              |
| Street Address<br>Unit 8, 5 Young's Road, East Mains Industrial Estate |                                     | Street Address  |                              |
| City<br>Broxburn   | Province<br>W. Lothian              | City            | Province                     |
| Postal Code<br>EH52 5LY  | Emergency Telephone<br>01506-855800 | Postal Code     | Emergency Telephone          |
| Date MSDS Prepared<br>06/05/2014                                       | MSDS Prepared By<br>DGC             |                 | Phone Number<br>01506-855800 |

## SECTION 2 – HAZARDS IDENTIFICATION

|   |
|---|
| Section 2.1 CLP Classification<br>Unclassified  |
| Section 2.2. Labelling Information<br>No special requirements   |
| Eyes : Mild transient irritation<br>Skin : (Rarely) Redness, itching<br>Inhalation : None expected<br>Ingestion : None expected |
| Section 2.3 Other Hazards<br>None known   |

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients  | %          | CAS Number | LD <sub>50</sub> of Ingredient                      | LC <sub>50</sub> of Ingredient   |
|--|------------|------------|---|----------------------------------|
| Water  | 70         | 7732-18-5  | n/a   | n/a                              |
| Propylene Glycol   | 10-30      | 57-55-6    | Oral 20000mg/kg (rat)<br>Dermal 2000mg/kg (rabbit)  | 96hrs 40613mg/l rainbow trout    |
| Glycerine  | 5-20       | 56-81-5    | Oral 12600mg/kg (rat)<br>Dermal >1000mg/kg (rabbit) | Rainbow trout<br>96hrs 54000mg/l |
| Remaining ingredients are being withheld as "Trade Secrets". This material is not considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200). It does not contain any ingredients having know health hazards in concentrations > 1%, or any known or suspected carcinogens in quantities > 0.1%. | <1<br><0.1 |            |   |                                  |

**SECTION 4 – FIRST AID MEASURES**

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| Skin Contact<br>Wash with water                                |
| Eye Contact<br>Flush with water for at least 15 minutes.       |
| Inhalation<br>Not applicable                                   |
| Ingestion<br>Seek medical advice if large quantities involved. |

**SECTION 5 – FIRE FIGHTING MEASURES**

|   |  |  |
|---|--|--|
| Flammable<br><input type="checkbox"/> No                              | If yes, under which conditions?        |  |
| Means of Extinction<br>All types                                      |  |  |
| Flashpoint ( <input type="checkbox"/> C) and Method<br>Not applicable | Upper Flammable Limit (% by volume)    | Lower Flammable Limit (% by volume)              |
| Autoignition Temperature ( <input type="checkbox"/> C)                | Explosion Data – Sensitivity to Impact | Explosion Data – Sensitivity to Static Discharge |
| Hazardous Combustion Products   |  |  |
| <b>NFPA Rating:</b><br>Health: 1, Fire: 0, Instability: 0             |  |  |

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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| <p>Leak and Spill Procedures</p> <p>Scoop or wipe up excess. Wash area with water. Sprinkle area with traction (non-slip) material if spill not cleared immediately. Material is slippery.</p> |
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**SECTION 7 – HANDLING AND STORAGE**

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| <p>Handling Procedures and Equipment</p> <p>Store near room temperature away from sunlight</p> |
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**SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

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|---|
| <p>Specific Engineering Controls</p> <p>Respiratory Protection: Not required.</p> <p>Ventilation: Not required</p>                  |
| <p>Personal Protective Equipment</p> <p><input checked="" type="checkbox"/> Gloves      <input checked="" type="checkbox"/> Eye</p> |
| <p>If checked, please specify type</p> <p>Protective gloves: May be required if a sensitivity exists</p>                            |
| <p>Eye Protection: As required by work environment</p>  |

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

|                                   |  |  |
|-----------------------------------|--|--|
| Physical State<br>Gelled liquid   | Odour and Appearance<br>Clear Gel          | Odour Threshold (ppm)<br>Mild odour      |
| Specific Gravity<br>1.06          | Vapour Density (air = 1)<br>Not determined | Vapour Pressure (mmHg)<br>Not determined |
| Viscosity<br>80000cps +/-35000cps | Boiling Point (□ C)<br>Not determined      | Freezing Point (□ C)                     |
| pH<br>7.3v - 8.0                  | Coefficient of Water/Oil Distribution      | [Solubility in Water]<br>Complete        |

**SECTION 10 – STABILITY AND REACTIVITY**

|   |                                |
|---|--------------------------------|
| Chemical Stability<br><input type="checkbox"/> Yes                                | If no, under which conditions? |
| Incompatibility with Other Substances<br>None known                               | If yes, which ones?            |
| Reactivity, and under what conditions?<br>Hazardous polymerisation will not occur |                                |
| Hazardous Decomposition Products<br>None known                                    |                                |

**SECTION 11 – TOXICOLOGICAL INFORMATION**

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| LD50, Rat (Acute toxicity/Ingestion) 20000 - 34000mg/kg (propylene glycol)                   |
| Skin irritation LD50, Rabbit (Acute toxicity/Skin absorption) >20000mg/kg (propylene glycol) |

**SECTION 12 – ECOLOGICAL INFORMATION**

|                  |
|------------------|
| Not PBT assessed |
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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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| Follow applicable national and local regulations |
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**SECTION 14 – TRANSPORT INFORMATION**

|  |                       |
|--|-----------------------|
| No domestic or international regulations known |                       |
| No Hazard class known                          | PIN: none             |
| TDG  | DOT designation: None |

**SECTION 15 – REGULATORY INFORMATION**

|  |  |
|--|--|
| SERA None known.   | All ingredients are listed on the TSCA Inventory |
| EC Labelling<br>-Symbol(s)<br>-R Phrases<br>-S Phrases   | None<br>None<br>None                             |
| <p><i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i></p> |  |

**SECTION 16 – OTHER INFORMATION**

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