Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: Shear Gel
Product Code: Not available

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Use: Ultrasonic couplant.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: Magnaflux
3624 West Lake Avenue,
Glenview, Illinois
60026

Telephone Number: 847-657-5300

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: CHEMTREC 800-424-9300

Date of Preparation: September 3, 2013
Version #: 1.0

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

Hazard class
Not hazardous by OSHA HazCom 2012 criteria.

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

Hazard Pictogram: Not applicable.
Signal Word: Not applicable.
Hazard Statement: Not applicable.
Prevention: Not applicable.
Response: Not applicable.
Storage: Not applicable.
Disposal: Not applicable.

2.3 ADDITIONAL INFORMATION

Hazards not otherwise classified: Not applicable.
100 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Mexico Classification:
Blue = Health  Red = Flammability  Yellow = Reactivity  White = Special

Hazard Rating:  0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classification(s):
Not controlled.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 MIXTURES

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>UN #</th>
<th>H / F/ R / *</th>
<th>CAS No</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>None by WHMIS/OSHA/NOM-018-STPS-2000 criteria.</td>
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</tbody>
</table>

### Section 4: FIRST- AID MEASURES

#### 4.1 DESCRIPTION OF THE FIRST AID MEASURE

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

Skin: In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production.

Skin: Not normally a hazard. May cause slight irritation.

Inhalation: Not normally a hazard. May cause respiratory tract irritation.

Ingestion: Not normally a hazard. May cause stomach distress, nausea or vomiting.

#### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY
Flammability: This product is not flammable by WHMIS/OSHA/NOM-018-STPS-2000 criteria.

5.2 EXTINGUISHING MEDIA
Suitable Extinguishing Media: Treat for surrounding material.
Unsuitable Extinguishing Media: None known.

5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL
Products of Combustion: May include, and are not limited to: oxides of carbon.
Explosion Data:
  Sensitivity to Mechanical Impact: Not available.
  Sensitivity to Static Discharge: Not available.

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS
Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP
Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Use appropriate Personal Protective Equipment (PPE).
Methods for Cleaning-Up: Scoop up material and place in a disposal container. Sticky material. Thoroughly wash the area with water after a spill or leak.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING
Handling: Avoid contact with skin and eyes. Avoid breathing vapour or mist. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. (See section 8)
General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Storage: Keep out of the reach of children. Store at room temperature. Protect from sunlight. (See section 10)
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Exposure Guidelines

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not applicable.</td>
<td></td>
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</tbody>
</table>

8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment:

Eye/Face Protection: Safety glasses or goggles are recommended when using product.

Skin Protection:

   Hand Protection: Wear suitable gloves.

   Body Protection: Wear suitable protective clothing.

Respiratory Protection: Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

General Health and Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Wash contaminated clothing before reusing.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous.

Color: Dark brown.

Odor: Neutral.

Odor Threshold: Not available.

Physical State: Liquid.

pH: Not available.

Melting Point/Freezing Point: Not available.

Initial Boiling Point and Boiling Range: > 104 °C (> 220 °F)

Flash Point: Not available.

Evaporation Rate: Not available.

Flammability: Not flammable.

Lower Flammability/Explosive Limit: Not available.

Upper Flammability/Explosive Limit: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Relative Density/Specific Gravity: > 1.0 g/cc
Solubility: Complete.
Partition coefficient: n-octanol/water: Not available.
Auto-ignition Temperature: Not available.
Decomposition Temperature: Not available.
Viscosity: Not available.
Oxidizing Properties: Not available.
Explosive Properties: Not available.

Section 10: STABILITY AND REACTIVITY

10.1 REACTIVITY
No dangerous reaction known under conditions of normal use.

10.2 CHEMICAL STABILITY
Stable under normal storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID
Heat. Incompatible materials.

10.5 INCOMPATIBLE MATERIALS
None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
May include, and are not limited to: oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS
Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Symptoms related to physical/chemical/toxicological characteristics:

- **Eye**: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production.
- **Skin**: Not normally a hazard. May cause slight irritation.
- **Ingestion**: Not normally a hazard. May cause stomach distress, nausea or vomiting.
- **Inhalation**: Not normally a hazard. May cause respiratory tract irritation.

Acute Toxicity:
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>IDLH</th>
<th>LC50</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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</tbody>
</table>

**Calculated overall Chemical Acute Toxicity Values**

<table>
<thead>
<tr>
<th></th>
<th>LC50 (inhalation)</th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Chemical Listed as Carcinogen or Potential Carcinogen**

(NTP, IARC, OSHA, ACGIH, CP65)*

<table>
<thead>
<tr>
<th>Ingredient</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE**

**Skin Corrosion/Irritation:** Based on available data, the classification criteria are not met.

**Serious Eye Damage/Irritation:** Based on available data, the classification criteria are not met.

**Respiratory Sensitization:** Based on available data, the classification criteria are not met.

**Skin Sensitization:** Based on available data, the classification criteria are not met.

**STOT-Single Exposure:** Based on available data, the classification criteria are not met.

**Chronic Health Effects:**

- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.

**Reproductive Toxicity:**

- **Developmental:** Based on available data, the classification criteria are not met.
  - **Teratogenicity:** Based on available data, the classification criteria are not met.
  - **Embryotoxicity:** Based on available data, the classification criteria are not met.
  - **Fertility:** Based on available data, the classification criteria are not met.

**STOT-Repeated Exposure:** Based on available data, the classification criteria are not met.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

**Toxicologically Synergistic Materials:** Not available.

**Other Information:** Not available.

**Section 12: ECOLOGICAL INFORMATION**

**12.1 ECOTOXICITY**

**Acute/Chronic Toxicity:** May cause long-term adverse effects in the aquatic environment.

**12.2 PERSISTENCE AND DEGRADABILITY**

Not available.

**12.3 BIOACCUMULATIVE POTENTIAL**

**Bioaccumulation:** Not available.
12.4 MOBILITY IN SOIL
Not available.

12.5 OTHER ADVERSE EFFECTS
Not available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
Disposal Method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Other disposal recommendations: Not available.

Section 14: TRANSPORT INFORMATION

14.1 UN NUMBER

DOT TDG
Not regulated. Not regulated.

14.2 UN PROPER SHIPPING NAME

DOT TDG
Not applicable. Not applicable.

14.3 TRANSPORT HAZARD CLASS (ES)

DOT TDG
Not applicable. Not applicable.

14.4 PACKING GROUP

DOT TDG
Not applicable. Not applicable.

14.5 ENVIRONMENTAL HAZARDS
Not available.

14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE
Not available.

14.7 SPECIAL PRECAUTIONS FOR USER
Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Mexico: MSDS prepared pursuant to NOM-018-STPS-2000.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Section 302 (EHS) TPQ (lbs.)</th>
<th>Section 304 EHS RQ (lbs.)</th>
<th>CERCLA RQ (lbs.)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
<td></td>
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</table>

**State Regulations**

**California Proposition 65:**
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Global Inventories:**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Canada DSL/NDSL</th>
<th>USA TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>All ingredients are on DSL inventory. All ingredients are not listed on TSCA inventory.</td>
<td></td>
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</table>

**NFPA-National Fire Protection Association:**

<table>
<thead>
<tr>
<th></th>
<th>Health:</th>
<th>Fire:</th>
<th>Reactivity:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**HMIS-Hazardous Materials Identification System:**

<table>
<thead>
<tr>
<th></th>
<th>Health:</th>
<th>Fire:</th>
<th>Physical Hazard:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**CP65** California Proposition 65

**OSHA (O)** Occupational Safety and Health Administration.

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.

- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.

- 1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

| Date of Preparation: | September 3, 2013 |
| Expiry Date:         | September 3, 2016 |
| Version:             | 1.0               |
| Revision Date:       | September 3, 2013 |

Conforms to OSHA HazCom 2012, CPR & NOM-018-STPS-2000 Standards

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.

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www.nexreg.com

Prepared for: Magnaflux

End of Safety Data Sheet