1. Product and Company Identification

Material name: Resonance Bond Testing Couplant
Version #: 03
Issue date: 12-June-2018
Revision date: 22-November-2022
Supersedes date: 12-June-2018
CAS #: Mixture
Product code: 3308193
Product use: Couplant.

Manufacturer:
- Company name: Evident Scientific
- Address: 48 Woerd Avenue, Waltham, MA 02453, USA
- Telephone number: +1-781-419-3900
- Emergency telephone number:
  - US: +1-800-424-9300
  - International: +1-703-527-3887

2. Hazards Identification

Emergency overview:
Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects. Direct contact with eyes may cause temporary irritation. May cause allergic skin disorders in sensitive individuals.

OSHA regulatory status:
This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects:
- **Routes of exposure**
  - Skin contact. Eye contact. Inhalation. Ingestion.
- **Eyes**
  - Direct contact with eyes may cause temporary irritation.
- **Skin**
  - May cause allergic skin disorders in sensitive individuals.
- **Inhalation**
  - When heated, the vapors/fumes given off may cause respiratory tract irritation.
- **Ingestion**
  - Expected to be a low ingestion hazard.

Signs and symptoms:
- Direct contact with eyes may cause temporary irritation. May cause allergic skin disorders in sensitive individuals.

Potential environmental effects:
Not expected to be harmful to aquatic organisms.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane -1,2 -diol</td>
<td>57-55-6</td>
<td>&lt; 95</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>&lt; 5</td>
</tr>
</tbody>
</table>

Composition comments:
All concentrations are in percent by weight.

4. First Aid Measures

**First aid procedures**

- **Inhalation**
  - Move to fresh air. Call a physician if symptoms develop or persist.
- **Skin contact**
  - Wash off with soap and water. Get medical attention if irritation develops and persists.
- **Eye contact**
  - Rinse with water. Get medical attention if irritation develops and persists.
- **Ingestion**
  - Rinse mouth. Get medical attention if symptoms occur.

**Notes to physician**
- Treat symptomatically.

**General advice**
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties:
No unusual fire or explosion hazards noted.
Extinguishing media

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

Hazardous combustion products
Thermal decomposition of this product can generate carbon monoxide and carbon dioxide.

General fire hazards
Will burn if involved in a fire.

6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). In case of spills, beware of slippery floors and surfaces. For personal protection, see section 8 of the MSDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

Methods for cleaning up
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and Storage

Handling
Keep away from heat, spark, open flames and other sources of ignition. Avoid prolonged exposure. Provide adequate ventilation. In case of spills, beware of slippery floors and surfaces. Use Personal Protective Equipment recommended in section 8 of the MSDS. Observe good industrial hygiene practices.

Storage
Store in cool, dry place. Store in original tightly closed container. Storage temperature: between 0 and 35°C. Store away from incompatible materials (See Section 10).

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values
Components | Type | Value |
--- | --- | --- |
Cellulose (CAS 9004-34-6) | TWA | 10 mg/m3 |

Dominican Republic. OELs (Regulation of Safety and Health in the Workplace - Decree No. 522-06 and Resolution No. 04-2007 of January 30, 2007) updated with ACGIH
Components | Type | Value |
--- | --- | --- |
Cellulose (CAS 9004-34-6) | TWA | 10 mg/m3 |

Biological limit values
No biological exposure limits noted for the ingredient(s).

Engineering controls
General ventilation normally adequate.

Personal protective equipment

Eye / face protection
If contact is likely, safety glasses with side shields are recommended.

Skin protection
Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection
Not normally needed. For prolonged or repeated skin contact use suitable protective gloves.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance
Physical state
Liquid.

Form
Medium to high viscosity liquid.
Color: Colorless to slight tint.

Odor: Nearly odorless.

Odor threshold: Not available.

pH: 7 - 9

Vapor pressure: < 0.1 mm Hg

Vapor pressure temp.: 68 °F (20 °C)

Vapor density: Not available.

Boiling point: 359.6 °F (182 °C)

Melting point/Freezing point: Not available.

Solubility (water): 100 %

Specific gravity: 1.03 (H2O=1)

Relative density: 1.03 (H2O=1)

Flash point: Not available.

Auto-ignition temperature: Not available.

VOC: < 1 %

Other data:

- Explosive properties: Not explosive.
- Flammability (solid, gas): Not applicable.
- Oxidizing properties: Not oxidizing.

10. Chemical Stability & Reactivity Information

Chemical stability: Material is stable under normal conditions.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Thermal decomposition of this product can generate carbon monoxide and carbon dioxide.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

11. Toxicological Information

Toxicological data

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane -1,2 -diol (CAS 57-55-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>20800 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>22000 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicological information

Sensitization: Not classified.

Acute effects: Not expected to be acutely toxic.

Chronic effects: Chronic effects are not expected when this product is used as intended.

Carcinogenicity: Not classifiable as to carcinogenicity to humans.

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive effects: This product is not expected to cause reproductive or developmental effects.

Symptoms and target organs: Direct contact with eyes may cause temporary irritation. May cause allergic skin disorders in sensitive individuals.

Human experience: None known.

Further information: No other specific acute or chronic health impact noted.

12. Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Environmental fate

Persistence / degradability  The product is expected to be biodegradable.

Bioaccumulation  The product is not expected to bioaccumulate.

Partition coefficient  Propane -1,2 -diol (CAS 57-55-6) -0.92

Mobility  The product is soluble in water.

Other adverse effects  No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Waste codes  The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal instructions  Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

Waste from residues / unused products  Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Not applicable.

Contaminated packaging  Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

ANTT  Not regulated as dangerous goods.

DOT  Not regulated as dangerous goods.

SCT  Not regulated as dangerous goods.

IATA  Not regulated as dangerous goods.

IMDG  Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  Not established.

15. Regulatory Information

International regulations

Montreal Protocol  Not applicable.

Stockholm Convention  Not applicable.

Rotterdam Convention  Not applicable.

Kyoto protocol  Not applicable.

Basel Convention  Not applicable.

International Inventories

Country(s) or region  Inventory name  On inventory (yes/no)*

Australia  Australian Inventory of Chemical Substances (AICS)  Yes

Canada  Domestic Substances List (DSL)  Yes

Canada  Non-Domestic Substances List (NDSL)  No

China  Inventory of Existing Chemical Substances in China (IECSC)  Yes

Europe  European Inventory of Existing Commercial Chemical Substances (EINECS)  Yes

Europe  European List of Notified Chemical Substances (ELINCS)  No

Japan  Inventory of Existing and New Chemical Substances (ENCS)  Yes

Korea  Existing Chemicals List (ECL)  Yes

New Zealand  New Zealand Inventory  Yes
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>(PICCS)</td>
<td></td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

**Recommended use**
Couplant.

**Recommended restrictions**
None known.

**HMIS® ratings**
- Health: 1
- Flammability: 1
- Physical hazard: 0

**Disclaimer**
Evident Scientific cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.