SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation
Resonance Bond Testing Couplant

Use of the substance/preparation
Couplant.

Version No.
02

CAS No.
Mixture

Product code
3308193

Manufacturer

Company name
Evident Scientific

Address
48 Woerd Avenue
Waltham, MA 02453
USA

Telephone number
+1-781-419-3900

Emergency telephone number
CHEMTREC


2. HAZARDS IDENTIFICATION

This preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Physical hazards
Not classified as a physical hazard.

Health hazards
Not classified as a health hazard.

Environmental hazards
Not classified as an environmental hazard.

Specific hazards
When heated, the vapours/fumes given off may cause respiratory tract irritation.

Main symptoms
Direct contact with eyes may cause temporary irritation. May cause allergic skin disorders in sensitive individuals.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The components are not hazardous or are below required disclosure limits.

4. FIRST-AID MEASURES

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

General advice
Treat symptomatically.

Notes to physician

5. FIRE-FIGHTING MEASURES

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

Extinguishing media which must not be used for safety reasons
Do not use water jet as an extinguisher, as this will spread the fire.

Unusual fire & explosion hazards
No unusual fire or explosion hazards noted.

Specific hazards
During fire, gases hazardous to health may be formed.

Special protective equipment for fire-fighters
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 SDS.

**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 protection recommended in Section 8 of the SDS. 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**

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
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<td></td>
</tr>
<tr>
<td>Cellulose (CAS 9004-34-6)</td>
<td>TWA</td>
<td>10 mg/m³</td>
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Kenya, OEL-RL. Recommended Limit for Hazardous Chemical Substances (The Factories and Other Places of Work Rules in 2007 of the Factories and Other Places of Work Act (CAP. 514))

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</tr>
<tr>
<td></td>
<td></td>
<td>5 ppm</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td>Propane -1,2 -diol (CAS 57-55-6)</td>
<td>TWA</td>
<td>470 mg/m³</td>
<td>Total vapour and particulates.</td>
</tr>
<tr>
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<td></td>
<td>10 mg/m³</td>
<td>Particulate.</td>
</tr>
<tr>
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<td>150 ppm</td>
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</tr>
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South Africa. Recommended Exposure Limits (RELs) Regulations for Hazardous Chemical Substances, Table 2

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

**Recommended monitoring procedures**
No exposure standards allocated.

**Engineering measures**
General ventilation normally adequate.

**Personal protective equipment**

- **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.

- **Eye protection**
  If contact is likely, safety glasses with side shields are recommended.

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

- **General**
  Use personal protective equipment as required.
Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

Hygiene measures

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 AND CHEMICAL PROPERTIES

Appearance

Physical state: Liquid.
Form: Medium to high viscosity liquid.
Colour: Colorless to slight tint.
Odour: Nearly odourless.

pH: 7 - 9
Melting point/freezing point: Not available.
Boiling point, initial boiling point, and boiling range: 182 °C (359.6 °F)
Flash point: Not available.
Auto-ignition temperature: Not available.

Combustion characteristics (solid, gas)

Vapour pressure: < 0.1 mm Hg
Vapour pressure temp.: 20 °C (68 °F)
Vapour density: Not available.
Solubility(ies)

Solubility (water): 100 %
Partition coefficient (n-octanol/water): Not available.
Decomposition temperature: Not available.

Other data

Explosive properties: Not explosive.
Oxidising properties: Not oxidising.
Relative density: 1.03 (H2O=1)
VOC: < 1 %

10. STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Hazardous decomposition products

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

Stability

Material is stable under normal conditions.

Materials to avoid

Strong oxidising agents.

Hazardous polymerisation

No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not expected to be acutely toxic.

Routes of exposure

Skin contact. Eye contact. Inhalation. Ingestion.

Toxicological information

Occupational exposure to the substance or mixture may cause adverse effects.

Chronic toxicity

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

Sensitisation

Not classified. However: May cause allergic skin disorders in sensitive individuals.

Carcinogenicity

Not classifiable as to carcinogenicity to humans.

Mutagenicity

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

Reproductivity

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

Epidemiology

No epidemiological data is available for this product.

Symptoms and target organs

Direct contact with eyes may cause temporary irritation. May cause allergic skin disorders in sensitive individuals. When heated, the vapours/fumes given off may cause respiratory tract irritation. Expected to be a low ingestion hazard.
Human experience
None known.
Pre-existing conditions aggravated by exposure
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.
Persistence and degradability
The product is expected to be biodegradable.
Bioaccumulation
The product is not expected to bioaccumulate.
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
Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
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).
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
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
Labelling
R-phrase(s) None.
S-phrase(s) None.
Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.
Regulatory information
The product does not need to be labelled in accordance with EC directives or respective national laws.

16. OTHER INFORMATION
International Inventories
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
</tbody>
</table>

*“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).

Recommended use
Couplant.
Recommended restrictions
None known.
Other information
None known.
Disclaimer
Evident Scientific Turkey label 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.

Issue date
12-June-2018
Revision date
22-November-2022