

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
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Waltham, MA 02453
USA
Telephone number +1-781-419-3900
Emergency telephone number CHEMTREC
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

Components	CAS #	Percent
Propane -1,2 -diol	57-55-6	< 95
Cellulose	9004-34-6	< 5

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/m ³

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/m ³

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 (H ₂ O=1)
Relative density	1.03 (H ₂ O=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		
Components	Species	Test Results
Propane -1,2 -diol (CAS 57-55-6)		
Acute		
Dermal		
LD50	Rabbit	20800 mg/kg
Oral		
LD50	Rat	22000 mg/kg
Toxicological information	Occupational exposure to the substance or mixture may cause adverse effects.	
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.
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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

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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.