

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 US: +1-800-424-9300, International: +1-703-527-3887

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	Rinse mouth. Get medical attention if symptoms occur.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
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

US. ACGIH Threshold Limit Values

Components	Type	Value
Cellulose (CAS 9004-34-6)	TWA	10 mg/m3

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))

Components	Type	Value	Form
Cellulose (CAS 9004-34-6)	STEL	20 mg/m3	Total inhalable dust.
	TWA	10 mg/m3	Total inhalable dust.
		5 ppm	Respirable dust.
Propane -1,2 -diol (CAS 57-55-6)	TWA	470 mg/m3	Total vapour and particulates.
		10 mg/m3	Particulate.
		150 ppm	Total vapour and particulates.

South Africa. Recommended Exposure Limits (RELs) Regulations for Hazardous Chemical Substances, Table 2

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		10 mg/m3	Particulate.
		150 ppm	Total vapour and particulates.

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

Recommended monitoring procedures

Additional exposure data 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)	Not applicable.
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 (H ₂ O=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-phrases(s) None.
S-phrases(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

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

*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).

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

Revision date

12-June-2018

22-November-2022