SAFETY DATA SHEET

1. Identification

Product identifier                  Couplant B
Other means of identification      None.
Recommended use of the chemical and restrictions on use
  Recommended use                    Couplant.
  Recommended restrictions           None known.

Manufacturer/Importer/Supplier/Distributor information
Supplier                          Evident Scientific Singapore PTE. LTD.
  Address                          25 Ubi Road 4, UBIX, #04-04/05 Singapore 408621
  Telephone                       +65 62-50-1118
  FAX                             
  e-mail                          
Emergency telephone number        CHEMTREC
  US: 1-800-424-9300, International: +1 703-527-3887

2. Hazards identification

GHS classification
  Physical hazards                 Not classified.
  Health hazards                   Specific target organ toxicity, single exposure Category 3 respiratory tract irritation
  Environmental hazards            Not classified.

GHS label elements, including precautionary statements
Pictograms

Signal word                      Warning
Hazard statements                 May cause respiratory irritation.
Precautionary statements
  Prevention                       Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area.
  Response                         IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
  Storage                         Store in a well-ventilated place. Keep container tightly closed. Store locked up.
  Disposal                        Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards which do not result in classification None known.
Supplemental information          None.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance or mixture</th>
<th>Substance</th>
<th>Common name and synonyms</th>
<th>CAS Number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>Glycerin</td>
<td></td>
<td>56-81-5</td>
<td>100</td>
</tr>
</tbody>
</table>

Composition comments
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation
If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. 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 thoroughly. Get medical attention if symptoms occur.
Direct contact with eyes may cause temporary irritation. May cause respiratory irritation.

Most important symptoms/effects, acute and delayed
Indication of immediate medical attention and special treatment needed
General information

5. Fire-fighting measures

Suitable extinguishing media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
By heating and fire, harmful vapors/gases may be formed.

Fire fighting equipment/instructions
Move containers from fire area if you can do so without risk.

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

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

General fire hazards
Will burn if involved in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Avoid prolonged exposure. Keep unnecessary personnel away. In case of spills, beware of slippery floors and surfaces. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

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

Methods and materials for containment and cleaning up
Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). After cleaning, flush away traces with water. For waste disposal, see Section 13 of the SDS.

7. Handling and storage

Precautions for safe handling
Provide adequate ventilation. Avoid prolonged exposure. Avoid breathing mist or vapor. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store in closed original container at temperatures between 18°C and 54°C. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Control parameters/Occupational exposure limits
No exposure limits noted for ingredient(s).

Appropriate engineering control measures
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

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

Skin protection
Hand protection
For prolonged or repeated skin contact use suitable protective gloves. Suitable gloves can be recommended by the glove supplier.

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

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

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 and chemical properties

Appearance
Physical state
Liquid.

Form
Viscous.

Color
Clear.
Odor: Mild.
Odor threshold: Not available.

pH: Not available.

Melting point/freezing point: 67.73 °F (19.85 °C)
Initial boiling point and boiling range: 554 °F (290 °C)

Flash point: 390.0 °F (198.9 °C) Closed Cup
Evaporation rate: > 1 (Ether (anhydrous) =1)
Flammability (solid, gas): Not applicable.
Flammability limit - lower (%): 2.6
Flammability limit - upper (%): 11.3

Vapor pressure: < 0.13 kPa
Vapor density: 3.1 (Air = 1)
Relative density: 1.4 - 1.6

Solubility(ies):
- Solubility (water): Soluble in water.
- Partition coefficient (n-octanol/water): -1.76

Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: Not available.

Other data:
- Explosive properties: Not explosive.
- Molecular formula: C3-H8-O3
- Molecular weight: 92.09 g/mol
- Oxidizing properties: Not oxidizing.

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport. Hygroscopic.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Excessive heat. Ignition sources.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Hygroscopic

11. Toxicological information

Information on likely routes of exposure:
- Inhalation: High mist concentrations may cause irritation of respiratory tract.
- Skin contact: No adverse effects due to skin contact are expected.
- Eye contact: Direct contact with eyes may cause temporary irritation.
- Ingestion: Expected to be a low ingestion hazard.

Acute toxicity: Not expected to be acutely toxic.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin (CAS 56-81-5)</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>&gt; 10 g/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>12600 mg/kg</td>
</tr>
</tbody>
</table>

Symptoms:
- Direct contact with eyes may cause temporary irritation. May cause respiratory irritation.

Skin corrosion/irritation:
- No adverse effects due to skin contact are expected.
Direct contact with eyes may cause temporary irritation.

Serious eye damage/eye irritation

Respiratory or skin sensitization

Respiratory sensitization

Skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

Aspiration hazard

Chronic effects

Due to lack of data the classification is not possible.

This product is not expected to cause skin sensitization.

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

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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

May cause respiratory irritation.

Based on available data, the classification criteria are not met.

Not an aspiration hazard.

Not available.

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.

Product

Species

Test Results

Glycerin (CAS 56-81-5)

Aquatic

Fish

LC50

Fish

54000 mg/l, 96 hours

Persistence and degradability

The product is readily biodegradable.

Bioaccumulative potential

The product is not bioaccumulating.

Mobility in soil

No data available.

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.

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.

Disposal methods/information

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions

Dispose in accordance with all applicable regulations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Not applicable.

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Not regulated.
Environmental Protection and Management (Hazardous Substances) Regulations
Not applicable.

Environmental Public Health Act
Not applicable.

International regulations
Montreal Protocol
Not applicable.

Stockholm Convention
Not applicable.

Rotterdam Convention
Not applicable.

Kyoto protocol
Not applicable.

Basel Convention
Not applicable.

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>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
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<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
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<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

References
Not available.

Issued by
Company name: Evident Scientific

Prepared by
Title: Evident Scientific

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.

Issue date: 11-August-2016
Revision date: 22-November-2022
Key/legend
Not applicable.