SAFETY DATA SHEET

1. Product and company identification

Product name: Couplant B
Supplier: Evident Australia Pty Ltd
Address: Level 4, 97 Waterloo Road, Macquarie Park NSW 2113 Australia
Telephone: +1800-844-211
FAX: +
e-mail: 
Emergency telephone number: Emergency Tel: 13 11 26 (Poison Information Centre)

Recommended use and Limitations on use
Recommended use: Couplant.

2. Hazards identification

GHS classification
Physical hazards: Not classified.
Health hazards: Specific target organ toxicity following single exposure
Environmental hazards: Not classified.

Label elements
Symbols

Signal word: Warning
Hazard statement: May cause respiratory irritation.

Precautionary statements
Prevention: Avoid breathing mist or vapour. 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 CENTRE 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.

Supplemental information: None.

3. Composition/information on ingredients

Substance or mixture: Substance

<table>
<thead>
<tr>
<th>Chemical property</th>
<th>Substance</th>
<th>CAS Number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td></td>
<td>56-81-5</td>
<td>100</td>
</tr>
<tr>
<td>Glycerin</td>
<td></td>
<td></td>
<td></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.
Potential delayed effects: Direct contact with eyes may cause temporary irritation. May cause respiratory irritation.
Personal protection for first-aid responders: 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

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Extinguishing media to avoid

None known.

HAZCHEM Code Number

None.

Specific hazards during fire fighting

By heating and fire, harmful vapours/gases may be formed.

Special fire fighting procedures

Move containers from fire area if you can do so without risk.

Protection of fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Hazards from combustion products

Acrolein.

Specific methods

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

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.

Spill cleanup methods

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

Handling

Avoid prolonged exposure. Avoid breathing mist or vapour. Wear appropriate personal protective equipment. Use personal protection recommended in Section 8 of the SDS.

Precautions

Observe good industrial hygiene practices.

Safe handling advice

No specific recommendations.

Prevention of fire and explosion

Provide adequate ventilation.

Local and general ventilation

Suitable storage conditions

Store in closed original container at temperatures between 18°C and 54°C. Store away from incompatible materials (see Section 10 of the SDS).

Incompatible materials

Strong oxidising agents.

Safe packaging materials

Store in original tightly closed container.

8. Exposure controls/personal protection

Workplace exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

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

Engineering controls

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.

Personal protective equipment

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

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

Skin protection

Wear suitable protective clothing.

Eye/face protection

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

Radioactive or thermal hazards

Follow standard monitoring procedures.

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.
Viscous.

Clear.

Mild.

Not available.

19.85 °C (67.73 °F)

290 °C (554 °F)

198.9 °C (390.0 °F) Closed cup

Not available.

Not applicable.

2.6

11.3

< 0.13 kPa

3.1 (Air = 1)

> 1 (Ether (anhydrous) =1)

1.4 - 1.6

Soluble in water.

-1.76

Not available.

92.09 g/mol

Not explosive.

C3-H8-O3

Not oxidising.

10. Stability and reactivity

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

Material is stable under normal conditions.

Excessive heat. Ignition sources.

Strong oxidising agents.

Hygroscopic

No dangerous reaction known under conditions of normal use.

11. Toxicological information

Information on likely routes of exposure

Ingestion Expected to be a low ingestion hazard.

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.

Not expected to be acutely toxic.

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

Inhalation. Skin contact. Eye contact. Ingestion.
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.

Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.

Respiratory sensitizer
Due to lack of data the classification is not possible.

Skin sensitizer
This product is not expected to cause skin sensitisation.

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

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

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

Specific target organ toxicity - single exposure
May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Not an aspiration hazard.

Chronic effects
Not available.

Relevant negative data
No data available.

12. Ecological information
Ecotoxicological data

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<td>Glycerol (CAS 56-81-5)</td>
<td></td>
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</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>54000 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

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 readily biodegradable.

Bioaccumulation
The product is not bioaccumulating.

Bioconcentration factor (BCF)
Not available.

Mobility
No data available for this product.

Other hazardous 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 methods/information
Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions
Dispose in accordance with all applicable regulations.

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 applicable.

15. Regulatory information
Applicable regulations
Glycerol: HSNO: 6.9

New Zealand Inventory of Chemicals (NZIoC): Registration status
Glycerol (CAS 56-81-5) May be used as a single component chemical under an appropriate group standard

16. Other information
References
Not available.

Issued by
Company name
Evident Scientific

Prepared by
Title
Evident Scientific
Disclaimer

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