1. Product and company identification

Product name: High Temperature Couplant I-2
Product code: I-2/Q7700011
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: Not classified.
Environmental hazards: Not classified.

Label elements
Symbols: None.
Signal word: None.
Hazard statement: The mixture does not meet the criteria for classification.

Precautionary statements
Prevention: Observe good industrial hygiene practices.
Response: Wash hands after handling.
Storage: Store away from incompatible materials.
Disposal: Dispose of waste and residues in accordance with local authority requirements.

3. Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Substance or mixture</th>
<th>CAS Number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant</td>
<td>60164-51-4</td>
<td>&gt; 90</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>7631-86-9</td>
<td>&lt; 5</td>
</tr>
</tbody>
</table>

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.
Potential delayed effects: Direct contact with eyes may cause temporary irritation.
Personal protection for first-aid responders: Exposure to hot material may cause thermal burns. 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
During fire, gases hazardous to health may be formed. Hydrogen fluoride.

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. Hydrogen fluoride.

Hazards from combustion products
Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid prolonged exposure. Keep unnecessary personnel away. 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.

Spill cleanup methods
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. It is a good industrial hygiene practice to minimise skin contact. Use personal protection recommended in Section 8 of the SDS.

Safe handling advice
Observe good industrial hygiene practices. Do not breathe vapour from heated material.

Prevention of fire and explosion
No specific recommendations.

Local and general ventilation
Provide adequate ventilation.

Storage
Protect against direct sunlight.

Suitable storage conditions
Strong oxidising agents.

Incompatible 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 inadequate ventilation or risk of inhalation of vapours, use 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.

Form
Grease.

Colour
Off-white.

Odour
None.

Odour threshold
Not available.
pH Not available.
Melting point/freezing point -51.11 °C (-60 °F)
Boiling point, initial boiling point, and boiling range Not available.
Flash point Non flammable.
Auto-ignition temperature > 704.44 °C (> 1300 °F)
Flammability (solid, gas) Not applicable.
Flammability limit - lower (%) Not available.
Flammability limit - upper (%) Not available.
 Explosive limit - lower (%) Not available.
 Explosive limit – upper (%) Not available.
 Vapour pressure < 0.001 torr (25 °C)
Vapour density > 1
Evaporation rate Not available.
Relative density 1.85
Density Not available.
Solubility(ies)
 Solubility (water) Not available.
Partition coefficient (n-octanol/water) Not available.
Decomposition temperature Not available.
Viscosity 12 - 13 mPa·s
Other data
 Explosive properties Not explosive.
 Oxidising properties Not oxidising.

10. Stability and reactivity
Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
Stability Material is stable under normal conditions.
Conditions to avoid None known.
Incompatible materials Strong oxidising agents.
Hazardous decomposition products In case of fire: Hydrogen fluoride.
Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

11. Toxicological information
Information on likely routes of exposure
Ingestion No adverse effects due to ingestion are expected.
Inhalation Not relevant at normal room temperatures. When heated, harmful vapours may be formed.
Skin contact No adverse effects due to skin contact are expected.
Eye contact Direct contact with eyes may cause temporary irritation.
Acute toxicity Expected to be a low ingestion hazard.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Temperature Couplant I-2 (CAS Mixture)</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>ALD</td>
<td>Rabbit</td>
<td>&gt; 17000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 30000 mg/kg</td>
</tr>
</tbody>
</table>

Routes of exposure Skin contact. Eye contact.
Symptoms Direct contact with eyes may cause temporary 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 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

Due to lack of data the classification is not possible.

Specific target organ toxicity - single exposure

Due to lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure

Due to lack of data the classification is not possible.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

None known.

Relevant negative data

No data available.

12. Ecological information

Ecotoxicological data

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<tbody>
<tr>
<td>High Temperature Couplant I-2 (CAS Mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>Oncorhynchus mykiss</td>
<td>&gt; 1000 mg/l</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

No data is available on the degradability of this product.

Bioaccumulation

The product is not expected to bioaccumulate.

Partition coefficient

n-octanol/water (log Kow)

Not available.

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

No further national regulatory information.

16. Other information

References

Not available.

Issued by

Company name

Evident Scientific

Prepared by

Title

Evident Scientific
Disclaimer

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