

## 1. Product and company identification

<b>Product name</b>	<b>High Temperature Couplant I-2</b>
<b>Product code</b>	I-2/Q7700011
<b>Supplier</b>	Evident Australia PTY LTD
<b>Address</b>	Level 4, 97 Waterloo Road, Macquarie Park NSW 2113 Australia
<b>Telephone</b>	+1800-844-211
<b>FAX</b>	+
<b>e-mail</b>	
<b>Emergency telephone number</b>	Emergency Tel: 13 11 26 (Poison Information Centre) CHEMTREC US: 1-800-424-9300, International: +1 703-527-3887

### Recommended use and Limitations on use

**Recommended use** Couplant.

## 2. Hazards identification

### GHS classification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.

### Label elements

<b>Symbols</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.

### Precautionary statements

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

**Supplemental information** None.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

<b>Chemical property</b>	<b>CAS Number</b>	<b>Concentration (%)</b>
Lubricant	60164-51-4	> 90
Silicon dioxide	7631-86-9	< 5

## 4. First aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Potential delayed effects</b>	Direct contact with eyes may cause temporary irritation.
<b>Personal protection for first-aid responders</b>	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.
<b>Notes to physician</b>	Treat symptomatically.

## 5. Fire-fighting measures

<b>Extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Extinguishing media to avoid</b>	None known.
<b>HAZCHEM Code Number</b>	None.

<b>Specific hazards during fire fighting</b>	During fire, gases hazardous to health may be formed. Hydrogen fluoride.
<b>Special fire fighting procedures</b>	Move containers from fire area if you can do so without risk.
<b>Protection of fire-fighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Hazards from combustion products</b>	Hydrogen fluoride.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>Spill cleanup methods</b>	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

<b>Handling</b>	
<b>Precautions</b>	Avoid prolonged exposure. It is a good industrial hygiene practice to minimise skin contact. Use personal protection recommended in Section 8 of the SDS.
<b>Safe handling advice</b>	Observe good industrial hygiene practices. Do not breathe vapour from heated material.
<b>Prevention of fire and explosion</b>	No specific recommendations.
<b>Local and general ventilation</b>	Provide adequate ventilation.
<b>Storage</b>	
<b>Suitable storage conditions</b>	Protect against direct sunlight.
<b>Incompatible materials</b>	Strong oxidising agents.
<b>Safe packaging materials</b>	Store in original tightly closed container.

## 8. Exposure controls/personal protection

<b>Workplace exposure limits</b>	
No exposure limits noted for ingredient(s).	
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Engineering controls</b>	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.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment.
<b>Hand protection</b>	For prolonged or repeated skin contact use suitable protective gloves. Suitable gloves can be recommended by the glove supplier.
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Eye/face protection</b>	If contact is likely, safety glasses with side shields are recommended. Eye wash fountain is recommended.
<b>Radioactive or thermal hazards</b>	Follow standard monitoring procedures.
<b>Hygiene measures</b>	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

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Grease.
<b>Colour</b>	Off-white.
<b>Odour</b>	None.
<b>Odour threshold</b>	Not available.

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

## 10. Stability and reactivity

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

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	No adverse effects due to ingestion are expected.
<b>Inhalation</b>	Not relevant at normal room temperatures. When heated, harmful vapours may be formed.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.

**Acute toxicity** Expected to be a low ingestion hazard.

<b>Product</b>	<b>Species</b>	<b>Test results</b>
High Temperature Couplant I-2 (CAS Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
ALD	Rabbit	> 17000 mg/kg
<i>Oral</i>		
LD50	Rat	> 30000 mg/kg
<b>Routes of exposure</b>	Skin contact. Eye contact.	
<b>Symptoms</b>	Direct contact with eyes may cause temporary irritation.	
<b>Skin corrosion/irritation</b>	No adverse effects due to skin contact are expected.	

<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory sensitizer</b>	Due to lack of data the classification is not possible.
<b>Skin sensitizer</b>	This product is not expected to cause skin sensitisation.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Toxic to reproduction</b>	Due to lack of data the classification is not possible.
<b>Specific target organ toxicity - single exposure</b>	Due to lack of data the classification is not possible.
<b>Specific target organ toxicity - repeated exposure</b>	Due to lack of data the classification is not possible.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	None known.
<b>Relevant negative data</b>	No data available.

## 12. Ecological information

### Ecotoxicological data

Product	Species	Test results
High Temperature Couplant I-2 (CAS Mixture)		
<b>Aquatic</b>		
Fish	Oncorhynchus mykiss	> 1000 mg/l
<b>Ecotoxicity</b>	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.	
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Bioaccumulation</b>	The product is not expected to bioaccumulate.	
<b>Partition coefficient n-octanol/water (log Kow)</b>	Not available.	
<b>Bioconcentration factor (BCF)</b>	Not available.	
<b>Mobility</b>	No data available for this product.	
<b>Other hazardous effects</b>	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

<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## 14. Transport information

<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.

## 15. Regulatory information

<b>Applicable regulations</b>	No further national regulatory information.
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## 16. Other information

<b>References</b>	Not available.
<b>Issued by</b>	
<b>Company name</b>	Evident Scientific
<b>Prepared by</b>	
<b>Title</b>	Evident Scientific

**Disclaimer**

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