1. Identification

Name of the substance or mixture (trade name) | Couplant H
Product code | H-2 Q7700002
Major recommended uses for the substance or mixture | Couplant.
Specific restrictions for use of the substance or mixture | Not available.

Manufacturer/Importer/Distributor information

Manufacturer | Evident Scientific
Address | 48 Woerd Ave. Waltham, MA 02453, USA
Telephone | +1 781-419-3900
Emergency telephone number | CHEMTREC US: 1-800-424-9300, International: +1 703-527-3887

2. Hazards identification

Classification of the substance or mixture
- Physical hazards | Not classified.
- Health hazards | Not classified.
- Environmental hazards | Not classified.

GHS labeling elements, including precautionary statements
- Hazard symbol(s) | None.
- Signal word | None.
- Hazard statement(s) | The mixture does not meet the criteria for classification.
- Precautionary statement(s)
  - 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.
- Other hazards which do not result in classification | None known.
- Supplemental information | None.

3. Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Common chemical name or technical name</th>
<th>CAS number</th>
<th>Concentration or concentration range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide</td>
<td>99439-28-8</td>
<td>&lt; 10</td>
</tr>
</tbody>
</table>

4. First-aid measures

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.
Most important symptoms/effects, acute and delayed

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

Means of fire extinguishing

Use fire-extinguishing media appropriate for surrounding materials.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special fire fighting procedures

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

Protective measures taken by firefighting crews

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

No unusual fire or explosion hazards noted.

6. Control measures for spills and leaks

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.

To be taken by those who are not involved in rendering emergency services

Keep unnecessary personnel away. Be aware of potential for surfaces to become slippery. Use personal protection recommended in 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

Sweep or scoop up and remove. 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

Avoid prolonged exposure. Observe good industrial hygiene practices. It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container.

8. Exposure controls/personal protection

Control parameters

Follow standard monitoring procedures.

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

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

Appropriate 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 measures

Eyes and 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

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.
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.
- Color: Pale yellow

Odor

- Odor threshold: Not available.
- pH: Not available.

Melting point/freezing point

- Melting point/freezing point: -14.8 °F (-26 °C)

Initial boiling point and boiling temperature range

- Initial boiling point and boiling temperature range: > 572 °F (> 300 °C)

Flash point

- Flash point: Not available.

Evaporation rate

- Evaporation rate: < 1 (100°C)

Flammability (solid, gas)

- Flammability limit - lower (%): Not applicable.
- Flammability limit - upper (%): Not applicable.

Vapor pressure

- Vapor pressure: < 0.001 torr (25 °C)

Vapor density

- Vapor density: > 1 estimated

Relative density

- Relative density: 0.95 (Approximate) (Water = 1)

Solubility(ies)

- Insoluble in water.

Partition coefficient (n-octanol/water)

- Not available.

Auto-ignition temperature

- Auto-ignition temperature: 782.6 - 840.2 °F (417 - 449 °C)

Decomposition temperature

- Decomposition temperature: Not available.

Viscosity

- Not available.

Other physical and chemical parameters

- Explosive properties: Not explosive.
- Flammability: Non flammable. (WHMIS/OSHA/NOM-018-STPS 2000)
- Oxidizing properties: Not oxidizing.

10. Stability and reactivity

Reactivity

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

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

None known.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

- Inhalation: No adverse effects due to inhalation are expected.
- Skin contact: No adverse effects due to skin contact are expected.
- Eye contact: Direct contact with eyes may cause temporary irritation.
- Ingestion: No adverse effects due to ingestion are expected.
- Symptoms: Direct contact with eyes may cause temporary irritation.
- Acute toxicity: Expected to be a low ingestion hazard.
Based on available data, the classification criteria are not met.

**Skin irritation and corrosion**

Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

- **Respiratory sensitization**
  - Not a respiratory sensitizer.

- **Skin sensitization**
  - This product is not expected to cause skin sensitization.

**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**

- No data available.

**Specific target organ toxicity - repeated exposure**

- No data available.

**Aspiration hazard**

- Not an aspiration hazard.

**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**

- No data is available on the degradability of this product.

**Bioaccumulative potential**

- The product is not expected to bioaccumulate.

**Partition coefficient n-octanol / water (log Kow)**

- Not available.

**Bioconcentration factor (BCF)**

- Not available.

**Mobility in soil**

- No data available for this product.

**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. Considerations on final disposal**

**Recommended methods for final destination**

- **Residual waste**
  - Dispose of in accordance with local regulations.

- **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.

- **Local disposal regulations**
  - Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**14. Transport information**

**National regulations**

- **ANTT**
  - Not regulated as dangerous goods.

**International regulations**

- **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**

**Federal regulations**

This chemical product safety data sheet was prepared in accordance with the Brazilian Standard (ABNT NBR 14725-4: (Safety data sheet for chemicals (SDS))). The Chemicals Safety Information Card of the hazardous chemical can be obtained from a supplier.
Stockholm Convention
Not applicable.
Rotterdam Convention
Not applicable.
Kyoto protocol
Not applicable.
Basel Convention
Not applicable.

16. Other information

Significant information, yet not specifically related to the previous sections
Not available.

Legends and abbreviations
Not available.

Disclaimer
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