SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Trade name or designation of the mixture
Couplant H
Registration number
-
Synonyms
None.
Product code
H-2 Q7700002
Issue date
19-January-2016
Version number
04
Revision date
22-November-2022
Supersedes date

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses
Couplant.
Uses advised against
None known.

1.3. Details of the supplier of the safety data sheet
Supplier
Evident Europe GmbH
Address
Caffamacherreihe 8-10, 20355 Hamburg, Germany
Telephone
+49 40-23773-0
Fax
+
e-mail
evident-safety@evidentscientific.com

1.4. Emergency telephone number
US: 1-800-424-9300, International: +1 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended
This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary
Low hazard for usual industrial or commercial handling.

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended
Hazard pictograms
None.
Signal word
None.
Hazard statements
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.

Supplemental label information
EUH210 - Safety data sheet available on request.

2.3. Other hazards
Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
### General information
- **Chemical name:** Silicon dioxide
- **%:** < 10
- **CAS-No. / EC No.:** 99439-28-8
- **REACH Registration No.:** -
- **INDEX No.:** -
- **Notes:** -

| Classification: | - |

### SECTION 4: First aid measures

#### General information
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.

#### 4.1. Description of 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.

#### 4.2. Most important symptoms and effects, both acute and delayed
Exposure may cause temporary irritation, redness, or discomfort.

#### 4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

### SECTION 5: Firefighting measures

#### General fire hazards
No unusual fire or explosion hazards noted.

#### 5.1. Extinguishing media
- **Use fire-extinguishing media appropriate for surrounding materials.**
- **None known.**

#### 5.2. Special hazards arising from the substance or mixture
During fire, gases hazardous to health may be formed.

#### 5.3. Advice for firefighters
- **Self-contained breathing apparatus and full protective clothing must be worn in case of fire.**
- **Move containers from fire area if you can do so without risk.**
- **Use standard firefighting procedures and consider the hazards of other involved materials.**

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures
- **Avoid prolonged exposure. Keep unnecessary personnel away. In case of spills, beware of slippery floors and surfaces.**
- **Avoid discharge into drains, water courses or onto the ground.**
- **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.**
- **For personal protection, see section 8. For waste disposal, see section 13 of the SDS.**

#### 6.2. Environmental precautions

#### 6.3. Methods and material for containment and cleaning up

#### 6.4. Reference to other sections

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling
Avoid prolonged exposure. Observe good industrial hygiene practices. It is a good industrial hygiene practice to minimise skin contact.

#### 7.2. Conditions for safe storage, including any incompatibilities
Store in original tightly closed container.

#### 7.3. Specific end use(s)
- **Couplant.**

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters
Occupational exposure limits
UK. EH40 Workplace Exposure Limits (WELs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicon dioxide (CAS 99439-28-8)</td>
<td>TWA</td>
<td>6 mg/m³</td>
<td>Inhalable dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4 mg/m³</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>

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

Recommended monitoring procedures
Follow standard monitoring procedures.

Derived no-effect level (DNEL)  Not available.

Predicted no effect concentrations (PNECs)  Not available.

8.2. Exposure 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.

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

General information
Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the 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
  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.

Environmental exposure controls
Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
  Physical state  Liquid.
  Form  Grease.
  Colour  Pale yellow

Odour
Mild. Characteristic.

Odour threshold  Not available.

pH  Not available.

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

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

Flash point  Not available.

Evaporation rate
< 1 (100°C)

Flammability (solid, gas)  Not applicable.

Upper/lower flammability or explosive limits
  Flammability limit - lower (%)
  Not applicable.
  Flammability limit - upper (%)
  Not applicable.

Vapour pressure  < 0.001 torr (25 °C)

Vapour density
> 1 estimated

Relative density 0.95 (Approximate) (Water = 1)
Solubility(ies)  Insoluble in water.
Partition coefficient (n-octanol/water)  Not available.
Auto-ignition temperature  417 - 449 °C (782.6 - 840.2 °F)
Decomposition temperature  Not available.
Viscosity  Not available.
Explosive properties  Not explosive.
Oxidising properties  Not oxidising.
9.2. Other information  Non flammable. (WHMIS/OSHA/NOM-018-STPS 2000)
SECTION 10: Stability and reactivity
10.1. Reactivity  The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability  Material is stable under normal conditions.
10.3. Possibility of hazardous reactions  No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid  None known.
10.5. Incompatible materials  Strong oxidising agents.
10.6. Hazardous decomposition products  No hazardous decomposition products are known.
SECTION 11: Toxicological information
General information  Occupational exposure to the substance or mixture may cause adverse effects.
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  Exposure may cause temporary irritation, redness, or discomfort.
11.1. Information on toxicological effects
Acute toxicity  Expected to be a low ingestion hazard.
Skin corrosion/irritation  Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation  Based on available data, the classification criteria are not met.
Respiratory sensitisation  Based on available data, the classification criteria are not met.
Skin sensitisation  Based on available data, the classification criteria are not met.
Germ cell mutagenicity  Based on available data, the classification criteria are not met.
Carcinogenicity  Based on available data, the classification criteria are not met.
Reproductive toxicity  Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure  Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure  Based on available data, the classification criteria are not met.
Aspiration hazard  Not an aspiration hazard.
Mixture versus substance information  No information available.
Other information  Not available.
SECTION 12: Ecological information
12.1. Toxicity  Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
12.2. Persistence and degradability  No data is available on the degradability of this product.
12.3. Bioaccumulative potential  The product is not expected to bioaccumulate.
Partition coefficient n-octanol/water (log Kow)  Not available.
Bioconcentration factor (BCF)  Not available.
12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
Not a PBT or vPvB substance or mixture.

12.6. 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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
- 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.
- EU waste code: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- 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.

SECTION 14: Transport information

ADR
- Not regulated as dangerous goods.

RID
- Not regulated as dangerous goods.

ADN
- Not regulated as dangerous goods.

IATA
- Not regulated as dangerous goods.

IMDG
- Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Authorisations

Restrictions on use
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended
Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended
Not listed.

Other EU regulations
Direcutive 2012/18/EU on major accident hazards involving dangerous substances
Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Not listed.

Directive 94/33/EC on the protection of young people at work
Not listed.

Other regulations
The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations
Follow national regulation for work with chemical agents.

Safety data sheet available for professional user on request.

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations
vPvB: Very Persistent and very Bioaccumulative.
PBT: Persistent, bioaccumulative and toxic.

References
Not available.

Information on evaluation method leading to the classification of mixture
The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15
None.

Training information
Follow training instructions when handling this material.

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.