# THERMOCOLL

REACH regulation (EC) n° 1907/2006 - n° 2020/878

## 1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

### 1.1 Product identifier
Name: Thermocoll

### 1.2 Relevant identified uses of the substance or mixture and used advised against
Refractory glue

### 1.3 Identification of the suppliers

**INSULCON N.V.**
Haverheidelaan 4
B-9140 TEMSE, Belgium
Tel. : + 32 (0)3 711.02.78
E-mail : insulconnv@insulcon.com
Website: www.insulcon.com

**INSULCON B.V.**
The Netherlands
Tel.: +31 (0)167-565750

**INSULCON GmbH**
Germany
Tel.: +49 (0)2131 408548-0

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture
**In compliance with EC regulation No. 1272/2008 and its amendments.**
The mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site. This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

### 2.2. Label elements
No labelling requirements for this mixture.

### 2.3. Other hazards
The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annex XIII of the REACH regulations EC 1907/2006. The mixture does not contains substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2. MIXTURES

**Composition :**

| Identification | (EC) 1272/2008 | Note | % |
|---|---|---|---|
| CAS: 1332-58-7<br>EC: 310-194-1<br><br>KAOLIN | | (1) | 25 <= x % < 50 |
| CAS: 14808-60-7<br>EC: 238-878-4<br><br>QUARTZ | | (1) | 10 <= x % <25 |
| INDEX: 011-002-00-6<br>CAS: 1310-73-2<br>EC: 215-185-5<br>REACH: 01-2119457892-27<br>SODIUM HYDROXIDE | GHS05<br>Dgr<br>Skin Corr. 1A, H314 | (1) | 0.1 <= x % < 1 |
| CAS: 14808-60-7<br>EC: 238-878-4<br>QUARTZ ALVEOLAIRE | GHS08<br>Dgr<br>STOT RE 1, H372 | (1) | 0.1 <= x % < 1 |
| CAS: 1333-86-4<br>EC: 215-609-9<br>NOIR DE CARBONE, AMORPHE | | (1) | 0.1 <= x % < 1 |

**Specific concentration limits:**

| Identification | Specific concentration Limits | ATE |
|---|---|---|
| INDEX: 011-002-00-6<br>CAS: 1310-73-2<br>EC: 215-185-5<br>REACH: 01-2119457892-27<br>SODIUM HYDROXIDE | Skin Corr. 1A: H314 C>= 5%<br>Skin Corr. 1B: H314 2% <= C < 5%<br>Skin Irrit. 2: H315 0.5% <= C < 2%<br>Eye Dam. 1: H318 C>= 2%<br>Eye Irrit. 2: H319 0.5% <= C < 2% | (1) |

**Information on ingredients :**

(Full text of H-phrases: see section 16)

(1) Substance for which maximum workplace exposure limits are available.

## 4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.




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**4.1. Description of first aid measures**
In the event of swallowing: Seek medical attention, showing the label.

**4.2. Most important symptoms and effects, both acute and delayed**
No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**
No data available.

## 5. FIRE-FIGHTING MEASURES

Non-flammable.

**5.1. Extinguishing media**
**Suitable methods of extinction**
In the event of a fire, use :
- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide ($CO_2$)

**Unsuitable methods of extinction**
In the event of a fire, do not use :
- water jet

**5.2. Special hazards arising from the substance or mixture**
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide ($CO_2$)

**5.3. Advice for firefighters**
Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**
Consult the safety measures listed under headings 7 and 8.

**For first aid worker**
First aid workers will be equipped with suitable personal protective equipment (see section 8).





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### 6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

### 6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections
No data available.

## 7. HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1. Precautions for safe handling
Always wash hands after handling.

**Fire prevention:**
Prevent access by unauthorized personnel.

**Recommended equipment and procedures:**
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures:**
No smoking, eating or drinking in areas where the mixture is used.

### 7.2. Conditions for safe storage, including any incompatibilities
No data available.

**Storage**
Keep out of reach of children.

**Packaging**
Always keep in packaging made of an identical material to the original.

### 7.3. Specific end use(s)
No data available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters
**Occupational exposure limits:**
**- UK :**

| CAS | TWA | STEL | Ceiling | Definition | Criteria |
|---|---|---|---|---|---|
| 1332-58-7 | 2 mg/m$^3$ | | | | |
| 14808-60-7 | 0.03 mg/m$^3$ | - | - | - | R |





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| | | | | | |
|---|---|---|---|---|---|
| 1310-73-2 | | 2 mg/m$^3$ | | | |
| 14808-60-7 | 0.3 mg/m$^3$ | - | - | - | R |
| 1333-86-4 | 3.5 mg/m$^3$ | 7 mg/m$^3$ | | | |

**8.2. EXPOSURE CONTROLS**

**Personal protection measures, such as personal protective equipment**

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.
Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes.
Before handling, wear safety goggles in accordance with standard ISO 16321.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Type of gloves recommended:
- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :
Thk : 0.075 mm

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state:** | |
| Physical state | Viscous liquid |
| **Colour** | |
| Colour | Unspecified |
| **Odour** | |
| Odour threshold | Not stated. |
| **Melting point** | |
| Melting point/melting range | Not relevant. |
| **Freezing point** | |
| Freezing point / Freezing range | Not stated. |
| **Boiling point or initial boiling point and boiling range** | |
| Boiling point/boiling range | Not relevant. |
| **Flammability** | |
| Flammability (solid, gas) | Not stated. |

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| | |
|---|---|
| **Lower and upper explosion limit** | |
| Explosive properties, lower explosivity limit (% | Not stated. |
| Explosive properties, upper explosivity limit (%) | Not stated. |
| **Flash point** | |
| Flash point interval | Not relevant. |
| **Auto-ignition temperature** | |
| Self-ignition temperature | Not relevant. |
| **Decomposition temperature** | |
| Decomposition point/decomposition range | Not relevant. |
| **pH** | |
| pH (aqueous solution) | Not stated. |
| pH | 12.50<br>Strongly basic. |
| **Kinematic viscosity** | |
| Viscosity | Not stated. |
| **Solubility** | |
| Water solubility | Insoluble. |
| Fat solubility | Not stated. |
| **Partition coefficient n-octanol/water (log value)** | |
| Partition coefficient: n-octanol/water | Not stated. |
| **Vapour pressure** | |
| Vapour pressure (50°C) | Not relevant. |
| **Density and/or relative density** | |
| Density | > 1 |
| **Relative vapour density** | |
| Vapour density | Not stated. |

**Particle characteristics**
The mixture does not contain nanoforms.

**9.2. Other information**
No data available.

**9.2.1. Information with regard to physical hazard classes**
No data available.

**9.2.2. Other safety characteristics**
No data available.

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity**
No data available.

**10.2. Chemical stability**
This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**
No data available




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**10.4. Conditions to avoid**

**Avoid :**

- frost

**10.5. Incompatible materials**

Keep away from :

- acids
- oxidising agents

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide ($CO_2$ )

## 11. TOXICOLOGICAL INFORMATION

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

No data available.

**11.1.1. Substances**

a) Acute toxicity:
No data available.
b) Skin corrosion/skin irritation:
No data available.
c) Serious damage to eyes/eye irritation:
No data available.
d) Respiratory or skin sensitisation:
No data available.
e) Germ cell mutagenicity:
No data available.
f) Carcinogenicity:
No data available.
g) Reproductive toxicant:
No data available.
h) Specific target organ systemic toxicity - single exposure:
No data available.
i) Specific target organ systemic toxicity - repeated exposure:
No data available.
j) Aspiration hazard:
No data available.

**11.1.2. Mixture**

**11.1.2.1 Information on hazard classes**

a) Acute toxicity:
Oral route : No data available.
Dermal route:
No data available.





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Inhalation route (Dusts/mist):
No data available.
b) Skin corrosion/skin irritation:
Species : Reconstructed human epidermis
- Classification based on extreme pH and an acid or alkaline reserve
Tests have proven that the mixture is neither corrosive nor irritant despite the low/high pH.
c) Serious damage to eyes/eye irritation:
No data available.
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Tests have proven that the mixture is not corrosive, does not produce serious ocular lesions or cause irritation despite the
low/high pH.
d) Respiratory or skin sensitisation:
No data available.
e) Germ cell mutagenicity:
No data available.
f) Carcinogenicity:
No data available.
g) Reproductive toxicant:
No data available.
h) Specific target organ systemic toxicity - single exposure:
No data available.
i) Specific target organ systemic toxicity - repeated exposure:
No data available.
j) Aspiration hazard:
No data available.

**11.1.2.2 Other information**
Monograph(s) from the IARC (International Agency for Research on Cancer):
CAS 1333-86-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.
CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.
CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

**11.2. Information on other hazards**
Endocrine disrupting properties
The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity**
**12.1.2. Mixtures**
No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**
No data available.





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**12.3. Bioaccumulative potential**
No data available.

**12.4. Mobility in soil**
No data available.

**12.5. Results of pbt and vpvb assessment**
No data available.

**12.6. Other adverse effects**
The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

**12.7. Other adverse effects**
No data available.

## 13. DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**
Do not pour into drains or waterways.

**Waste :**
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

## 14. TRANSPORT INFORMATION

Exempt from transport classification and labelling.

**14.1. UN number**
-

**14.2. UN proper shipping name**
-

**14.3. Transport hazard class(es)**
-

**14.4. Packing group**
-

**14.5. Environmental hazards**
-





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**14.6. Special precautions for user**

-

**14.7. Maritime transport in bulk according to IMO instruments**

-

## 15. REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture - Classification and labelling information included in section 2:**

The following regulations have been used:
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/2564. (ATP 22)

- Container information:
No data available.

- Particular provisions :
No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):
The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
https://echa.europa.eu/substances-restricted-under-reach.

Authorisations agreed under Title VII of Regulation (EC) No.1907/2006 (REACH):
The mixture does not contain any substance subject to authorisation according to Annex XIV of REACH Regulation (EC) No 1907/2006: https://echa.europa.eu/fr/authorisation-list.

Substances that deplete the ozone layer (EC Regulation No. 1005/2009, Montreal Protocol):
The mixture does not contain any substance posing a risk to the ozone layer.

Persistent organic pollutants (POP) (Regulation (EU) 2019/1021):
The mixture does not contain a persistent organic pollutant.

PIC Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (Rotterdam Convention):
The mixture is not subject to the Prior Informed Consent (PIC) procedure.

Explosives precursors :
The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

**15.2. Chemical safety assessment**

No data available




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## 16. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions. It is at all times the responsibility of the user to take all necessary measure to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirement relating to the mixture and not a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**
H314 Causes severe skin burns and eye damage.
H372 Causes damage to organs through prolonged or repeated exposure.

**Abbreviations and acronyms :**

| | |
|---|---|
| REACH | Registration, Evaluation, Authorization and Restriction of Chemical Substances. |
| STEL | Short-term exposure limit |
| TWA | Time Weighted Averages |
| TLV | Threshold Limit Value (exposure) |
| AEV | Average Exposure Value. |
| ADR | European agreement concerning the international carriage of dangerous goods by Road. |
| IATA | International Air Transport Association. |
| IMDG | International Maritime Dangerous Goods. |
| ICAO | International Civil Aviation Organisation |
| PBT | Persistent, bioaccumulable and toxic. |
| PIC | Prior Informed Consent. |
| POP | Persistent Organic Pollutant. |
| RID | Regulations concerning the International carriage of Dangerous goods by rail. |
| SVHC | Substances of very high concern. |
| vPvB | Very persistent, very bioaccumulable. |
| WGK | Wassergefahrdungsklasse (Water Hazard Class). |





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