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

1.1. Product identifier
Product form: Article
Trade name/designation: FOAMGLAS® INVATHERM™

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses
Main use category: Professional uses
Use of the substance/mixture: thermal insulation

1.2.2. Uses advised against
No data available

1.3. Details of the supplier of the safety data sheet
PCE-Pittsburgh Corning Europe
Albertkade 1
3980 TESSENDERLO - BELGIUM
T +32 (0)13 661 721 - F +32 (0)13 667 854
safetydepartment@pce.be - www.foamglas.com

1.4. Emergency telephone number
Emergency number: +32 (0)13 661 721
Only available during office hours.

<table>
<thead>
<tr>
<th>Country</th>
<th>Official advisory body</th>
<th>Address</th>
<th>Emergency number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ireland</td>
<td>National Poisons Information Centre</td>
<td>Beaumont Hospital Beaumont Road 9 Dublin</td>
<td>+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Newcastle Centre)</td>
<td>Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle</td>
<td>0844 892 0111 (UK only, 24/7, healthcare professionals only)</td>
</tr>
</tbody>
</table>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Not applicable

2.3. Other hazards
Other hazards: Results of PBT and vPvB assessment: Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.
SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice: First aider: Pay attention to self-protection! Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

Inhalation: Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.

Skin contact: Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

Eyes contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.

Ingestion: Rinse mouth thoroughly with water. Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Skin contact: Not expected to present a significant skin hazard under anticipated conditions of normal use.

Eyes contact: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media: Strong water jet.

5.2. Special hazards arising from the substance or mixture

No data available

5.3. Advice for firefighters

Firefighting instructions: Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information: Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel: Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

For emergency responders: Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.
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FOAMGLAS® INVATHERM™

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials. Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment.

Hygiene measures: Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information: Personal air monitoring. Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering measure(s): Provide adequate ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. Eye wash bottle with pure water. Safe handling: see section 7.

Personal protective equipment: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection: Wear chemically resistant gloves (tested to EN374)

Eye protection: Use suitable eye protection. (EN166)

Body protection: Wear suitable protective clothing.

Respiratory protection: Effective dust mask

Thermal hazard protection: Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls: Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Appearance: Solid.
Colour: Grey, Black.
Odour: Sulfur, slightly.
Odour threshold: No data available
pH: No data available
## Relative evaporation rate (butylacetate=1)
No data available

## Melting / freezing point
No data available

## Freezing point
No data available

## Initial boiling point and boiling range
No data available

## Flash point
No data available

## Auto-ignition temperature
No data available

## Decomposition temperature
No data available

## Flammability (solid, gas)
No data available

## Vapour pressure
No data available

## Vapour density
No data available

## Relative density
No data available

## Density
100 - 200 kg/m³ (DIN18174)

## Solubility
Water: No data available

## Partition coefficient n-octanol/water
No data available

## Kinematic viscosity
No data available

## Dynamic viscosity
No data available

## Explosive properties
Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.

## Oxidising properties
Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.

## Explosive limits
No data available

## Other information
No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity
Reference to other sections: 10.4 & 10.5.

#### 10.2. Chemical stability
Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid
Safe handling: see section 7.

#### 10.5. Incompatible materials
Safe handling: see section 7.

#### 10.6. Hazardous decomposition products
Reference to other sections: 5.2.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

- **Acute toxicity**: Not classified (Based on available data, the classification criteria are not met)
- **Skin corrosion/irritation**: Not classified (Based on available data, the classification criteria are not met)
- **Serious eye damage/irritation**: Not classified (Based on available data, the classification criteria are not met)
- **Respiratory or skin sensitisation**: Not classified (Based on available data, the classification criteria are not met)
- **Germ cell mutagenicity**: Not classified (Based on available data, the classification criteria are not met)
- **Carcinogenicity**: Not classified (Based on available data, the classification criteria are not met)
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Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)
Other information : Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

SECTION 12: Ecological information

12.1. Toxicity
Environmental properties : According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as “dangerous for the environment”.

12.2. Persistence and degradability

FOAMGLAS® INVATHERM™
Persistence and degradability No data available.

12.3. Bioaccumulative potential

FOAMGLAS® INVATHERM™
Partition coefficient n-octanol/water No data available
Bioaccumulative potential No data available.

12.4. Mobility in soil

FOAMGLAS® INVATHERM™
Mobility in soil No data available

12.5. Results of PBT and vPvB assessment

FOAMGLAS® INVATHERM™
Results of PBT assessment No data available

12.6. Other adverse effects
Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product/Packaging disposal recommendations : Avoid release to the environment. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle with care. Dispose of contaminated materials in accordance with current regulations.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<tr>
<td>14.1. UN number</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
SAFETY DATA SHEET

FOAMGLAS® INVATHERM™

Page 6 Revision nr: 1.0 Issue date: 03/04/2020 Supersedes:

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.4. Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

| 14.5. Environmental hazards | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

No supplementary information available

14.6. Special precautions for user

Special precautions for user: No data available

- Overland transport
  Not applicable

- Transport by sea
  Not applicable

- Air transport
  Not applicable

- Inland waterway transport
  Not applicable

- Rail transport
  Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Code: IBC: No data available

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

15.1.2. National regulations

France
Installations classées: Not applicable.

Germany
12th Ordinance Implementing the Federal: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BImSchV

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABM</td>
<td>Algemene beoordelingsmethodiek</td>
</tr>
<tr>
<td>ADN</td>
<td>Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin</td>
</tr>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises Dangereuses par Route</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification, Labelling and Packaging Regulation according to 1272/2008/EC</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>LEL</td>
<td>Lower Explosive Limit/Lower Explosion Limit</td>
</tr>
<tr>
<td>RID</td>
<td>Accident Report Device</td>
</tr>
<tr>
<td>UEL</td>
<td>Upper Explosion Limit/Upper Explosive Limit</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation, Authorisation and Restriction of Chemicals</td>
</tr>
<tr>
<td>BTT</td>
<td>Breakthrough time (maximum wearing time)</td>
</tr>
</tbody>
</table>
Sources of key data used to compile the datasheet:
- Supplier sds.
- ECHA (European Chemicals Agency).
- LOLI.

Training advice:
- Manipulations are to be done only by qualified and authorised persons. Training staff on good practice.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830:
- Classification according to Regulation (EC) No. 1272/2008 [CLP]
- Labelling according to Regulation (EC) No. 1272/2008 [CLP]

DISCLAIMER OF LIABILITY
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