

BauderGLAS INVERTED INSULATION

Safety data sheet as per 1907/2006 (REACH), Annex II

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COMPANY UNDERTAKING

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1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product identifier

Product Form : Article
Trade name/designation : FOAMGLAS® INVATHERM™
Product Group : Trade product

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 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

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safetydepartment@pce.be – www.foamglas.com

1.4 Emergency telephone number

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

Country	Official advisory body	Address	Emergency number
IRELAND	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital, Beaumont Road 9 Dublin	+353 18 37 99 64/ +353 1 809 21 66
UNITED KINGDOM	National Poisons Information Centre (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, Mon to Fri, 08:00 to 18:00 hrs, healthcare professionals only)

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 data: Not applicable.

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.

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, always consult 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, always consult a physician.
Skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, always consult a physician.
Eyes contact	: Rinse immediately carefully and thoroughly with eyebath or water. In case of doubt or persistent symptoms, always consult a physician.
In case of 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.
Eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

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

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂), Dry extinguisher 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 firefighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

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

: 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.

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 containers for disposal. Large spills: scoop solid spill into closing containers. This material and its containers 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.

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. 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 feeding stuffs. Remove contaminated clothing. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures

: Store in a 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.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Additional information

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

8.2 Exposure controls

Engineering control measures

: 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 (EN 166).

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Physical state	: Solid.
Appearance	: Solid.
Colour	: Grey. Black.
Odour	: Sulphur, slightly.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point/freezing point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: Not applicable
Auto ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not combustible
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Density	: 100 – 200 kg/m ³ (DIN 18174)
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

9.2 Other information

No data available

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.

11 TOXICOLOGICAL INFORMATION

11.1 Information of 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). pH: No data available.
Serious eye damage/eye irritation	: Not classified (Based on available data, the classification criteria are not met). pH: No data available.
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).
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.

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 Bio accumulative potential

FOAMGLAS® INVATHERM™	
Partition coefficient n-octanol/water	No data available.
Bio accumulative 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

No data available

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 discussions with the waste disposal authorities.

14 TRANSPORT INFORMATION

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

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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
14.4 Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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

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 classes:

Not applicable

Germany

12th Ordinance Implementing the Federal Immission Control Act – 12.BImSchV

: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2 Chemical safety assessment

No data available.

16 OTHER INFORMATION

Abbreviations and acronyms:

ABM = Algemene beoordelingsmethodiek
ADN = Accord Européen relatif au Transport International des Marchandises Dangere par voie de Navigation du Rhin
ADR = Accord européen relatif au transport international des marchandises Dangereu par Route
CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods Code
LEL = Lower Explosive Limit/Lower Explosion Limit
UEL = Upper Explosion Limit/Upper Explosive Limit
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
BTT = Breakthrough time (maximum wearing time)
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EC50 = Median Effective Concentration
EL50 = Median Effective Level
ErC50 = EC50 in terms of reduction of growth rate
ErL50 = EL50 in terms of reduction of growth rate
EWC = European Waste Catalogue
LC50 = Median lethal concentration
LD50 = Median lethal dose
LL50 = Median lethal level
NA = Not applicable
NOEC = No observed effect concentration
NOEL = No observed effect level
NOELR = No observed effect loading rate
NOAEC = No observed adverse effect concentration
NOAEL = No observed adverse effect level
N.O.S. = Not Otherwise Specified
OEL = Occupational Exposure Limits – Short Term Exposure Limits (STELs)
PNEC = Predicted No Effect Concentration
QSAR = Quantitative structure activity relationship
STOT = Specific Target Organ Toxicity
TWA = Time weighted average
VOC = Volatile organic compounds
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the data sheet : 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]

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