

Material Safety Data Sheet

HYTHERM CG (CELLULAR GLASS) INSULATION ADHERED, TORCHED, TAPERED

Classification according to EC 1272/2008 (CLP)

Section 1: Identification

1.1	Product identifier	
	Product form	Mixture
	Trade name	HYTHERM® CG (CELLULAR GLASS) INSULATION HYTHERM® CG ADHERED, TORCHED, TAPERED
	Product Group	Trade product
1.2	Relevant identified uses of the substance or mixture and uses advised against	See Section 16
1.2.1	Relevant identified uses	
	Main use category	Professional use
	Use of the substance / the mixture	Thermal insulation
1.2.1	Uses advised against	No data available
1.3.	Details of the supplier of the safety data sheet	
	Manufacturer/Supplier	AXTER LTD, West Road, Ransomes Europark, Ipswich IP3 9SX UK Tel: +44 (0) 1473 724056, 8.00 am to 5.30 pm, Monday to Friday Email: info@axterltd.co.uk

1.4 Emergency telephone

+ 44 1473 724056 (NOT 24HRS - 8am - 5.30pm, Monday Friday)

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

National Poisons Information Service (Newcastle Centre)
Regional Drugs and Therapeutics Centre, Wolfson Unit,
Claremont Place, Newcastle-upon-Tyne NE1 4LP
Emergency number 0844 892 0111 (UK only, 24/7, healthcare professionals only)

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: PBT/vPvB data: Not applicable.

Section 3: Composition / Information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glass, oxide, chemicals	(CAS-No.) 65997-17-3 (EC-No.) 266-046-0	> 99	Not classified

Section 4: First aid measures**4.1 Description of first aid measures****Additional advice**

First aider – pay attention to self-protection. See also section 8.
Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically. In case of doubt or persistent symptoms, always seek further medical advice.

Inhalation

Keep at rest. Provide fresh air. Give oxygen or artificial respiration if necessary. In case of doubt or persistent symptoms, always consult a doctor.

Skin contact

Remove contaminated clothing and shoes. Wash off with soap and water. Get medical attention if irritation develops and persists.

Contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention/advice.

Ingestion

Do NOT induce vomiting. Rinse with water. Seek medical attention/advice if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	No adverse effects are expected. May be irritating.
Skin contact	No adverse effects are expected. May be irritating.
Contact with eyes	May be irritating.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5: Fire fighting measures**5.1 Extinguishing media**

Suitable extinguishing media Water spray, alcohol resistant foam, carbon dioxide, dry extinguishing powder.

Unsuitable extinguishing media Strong water jet.

5.2 Special hazards arising from substance or mixture

Specific hazards The product itself does not burn. Not combustible. Class A1 (EU No. L267/23 dd. 19/10/1996).

5.3 Advice for firefighters

Firefighting instructions Special protective equipment for firefighters. In case of fire: wear self contained breathing apparatus. Use water spray or fog for cooling exposed containers. Evacuate personnel to a safe area. Provide adequate ventilation.

Other information: Do not allow run-off from firefighting 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 Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see Section 8. Stop leak if safe to do so. Avoid contact with eyes, skin and clothing. Do not breathe in vapours/dust.

6.1.2 For emergency responders

For emergency responders Ensure procedures and training for emergency decontamination and disposal are in place. Use personal protective equipment as required. 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 Provide adequate ventilation. Stop leak if safe to do so. Keep in suitable, closed containers for disposal. Dispose of contaminated materials in accordance with current regulations.
- 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. Avoid dust formation. Avoid contact with eyes. Do not breathe in vapours/dust. Ensure equipment is adequately earthed.
- Hygiene measures** Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of product. When using product, do not eat, drink or smoke. Take off contaminated clothing.
- 7.2. Conditions for safe storage including any incompatibilities**
Technical measures Keep container tightly closed in a cool, well-ventilated place. Keep only in the original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 7.3 Specific end use(s)** Not applicable.

Section 8: Exposure controls / personal protection

8.1 Control parameters

Glass, oxide, chemicals (65997-17-3)

Belgium

(Limit value (mg/m³))

10 mg/m³ (dust and fibre)

DNEL

Not required

PNEC

Not required

Additional information

Personal air monitoring: Room air monitoring.
Recommended monitoring procedures

8.2 Exposure controls

Engineering measures

Provide adequate ventilation. Eye wash bottle with pure water. Organisational measures to prevent/limit releases, dispersion and exposure. See also 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 work place.

Hand protection	Protective gloves (EN374). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Eye protection	Safety glasses with side-shields (EN 166).
Body protection	Use personal protective equipment as required.
Respiratory protection	Not required for normal conditions of use. Effective dust mask.
Thermal hazard protection	Not required for normal conditions of use.
Environmental exposure controls	Avoid release to the environment. Comply with relevant environmental protection legislation in force.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Appearance	Solid
Colour	Grey. Black.
Odour	None. Slight.
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	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 13167)
Solubility	Insoluble. Water: insoluble
Partition coefficient n-octanol/water	No data available

Kinematic viscosity	No data available
Dynamic viscosity	Not applicable.
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	No data available. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosion limits	No data available.

9.2 Other information

No data available.

Section 10: Stability / reactivity

10.1 Reactivity

Reference to other sections: 10.5

10.2 Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

No information available. See also section 7.

10.5 Incompatible materials

No information available. See also section 7.

10.6 Hazardous decomposition products

None known.

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).
pH: No data available

Serious eye damage/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 physical, chemical and toxicological characteristics: For further information see section 4.2.

Section 12: Ecological information

- 12.1 Toxicity**
Environmental properties: Ecological damage is not known or expected under normal use.
- 12.2 Persistence and degradability**
HYTHERM® CG ADHERED, TORCHED, TAPERED
Persistence and degradability: No data available.
- 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**
No data available.

Section 13: Disposal considerations

- 13.1 Waste treatment methods**
- Product/packaging disposal recommendations:** Handle with care. Safe handling: see Section 7. Refer to manufacturer/ supplier for information on recovery/recycling. Dispose of contaminated materials in accordance with current regulations.
- Additional information:** Delivery to an approved waste disposal company.
- Further ecological information:** Do not allow to enter into surface water or drains.
- European Waste Catalogue (2001/573/EC, 74/442/EEC, 91/698/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

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
14.3. Transport hazard class(es)				
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				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6 Special precautions for use

Overland transport	No data available
Transport by sea	No data available
Air transport	No data available
Inland waterway transport	No data available
Rail transport	No data available

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

Not applicable

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 REACH substances with Annex XVII restrictions
Contains no REACH substances on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National Regulations

Germany

Reference to AwSV

Water hazard class (WGK) nwg, Non-hazardous to water
(Classification according to AwSV, Annex 1)

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

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

Netherlands

Waterbezwaarlijkheid	11 - B- Weinig schadelijk voor in het water levende organismen
SZW-lijst van kankerverwekkende stoffen	None of the components are listed
SZW-lijst van mutagene stoffen	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	None of the components are listed
15.2 Chemical safety assessment:	Not required.

Section 16: Other information

Indication of changes: Safety datasheet section updated: 14.6

Abbreviations and acronyms:

ADN: Accord européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

CLP: Classification, Labelling and Packaging Regulation according to 1272/2008/EC

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LEL: Lower Explosive Limit/Lower Explosion Limit

UEL: Upper Explosive Limit/Upper Explosion Limit

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

DNEL: Derived No-Effect Level (REACH)

LD50: Median lethal dose

NOS: Not otherwise specified

PNEC: Predicted No-Effect Concentration (REACH)

STEL: Short term exposure limit

TLV: Threshold limits

TWA: Time weighted average

WGK: Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources: European Chemicals Bureau, <http://esis.jrc.ec.europa.eu/> Supplier SDS : PCE- B1380 Las 150107.

The information provided in this document is accurate to the best of our knowledge. The document does not constitute a specification and Axter takes no responsibility for the suitability of the product in a particular use. It is the user's responsibility to ensure that the product is suitable for the intended application and use and to take the necessary precautions to ensure that during handling, storage and installation of the product, all regulations to guarantee safety of people and the environment are observed. For further information or technical design assistance, contact Axter Ltd.