

ThermaSmart® Marine 4.0

In accordance with EU Regulation 2020/878

Safety Data Sheet

Issued on: 07.07.2025

Version: v.1.0

Section 1: Identification of the mixture and of the company

1.1. Product identifier

ThermaSmart® Marine 4.0

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

Thermal insulation product for building equipment and industrial installations.

1.3. Details of the supplier of the safety data sheet

Thermaflex Izolacji sp. z o.o.

58-130 Żarów

ul. Przemysłowa 6, Poland

tel. +48 74 85-89-666

fax. +48 74 85-89-667

1.4. Emergency phone number

Call Thermaflex Izolacji Sp. z o.o.

+48 74 85 89 666 (line available 8 a.m. – 4 p.m.)

Section 2: Hazards identification

2.1. Classification of the mixture

This product is an article in the sense of Article 3 of Regulation (EC) 1907/2006 (REACH) and is not subject to labelling according to Article 1, Regulation (EC) 1272/2008 (CLP). Provision of a safety data sheet is not mandatory for articles according to Article 31 of Regulation (EC) 1907/2006 (REACH) and is done on a voluntary basis.

2.2. Label elements

Not relevant.

Disclaimer

All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied or that any use of the products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.



2.3. Other hazards

No data available.

Section 3: Composition/ information on ingredients

3.1. Substances

Not applicable. The product is not a substance.

3.2. Mixture

Chemical characterization: foam based on polyolefin elastomer and polyethylene coated with black aluminum film.

Hazardous ingredients: the product does not contain substances to be mentioned according to EU Regulation no. 1907/2006 (REACH), annex II.

Section 4: First aid measures

4.1. Description of first aid measures

General information: No special measures necessary.

After contact to skin or eyes: No special measures necessary.

After inhalation: No special measures necessary.

After ingestion: No special measures necessary.

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

No data available.

4.3. Indication of any immediate attention and special treatment needed

No data available.

Section 5: Firefighting measures

5.1. Fire extinguishing media

Adapt fire extinguishing measures to surrounding areas.

5.2. Special hazards arising from the mixture

No data available.

5.3. Advice for firefighters

In case of combustion use suitable breathing apparatus.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No data available. Personal protective equipment – see Section 8.

6.2 Environmental precautions

No special measures necessary.

6.3 Methods and material for containment and cleaning up

Collect mechanically.



6.4 Reference to other sections

No data available.

Section 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling: no special measures necessary if used correctly. Avoid dust formation.

General protective and hygiene measures: no special measures necessary.

Advice on protection against fire and explosion: no special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature and conditions: -20° - +50°C, for details see manufacturer's storage instruction. Protect against humidity.

7.3. Specific end use(s)

No further relevant information available.

Section 8: Exposure controls/ personal protection

8.1. Control parameters

No parameters available for monitoring.

8.2. Exposure controls

Personal protective equipment:

Respiratory protection: no special measures required.

Hand protection: no special measures required.

Eye/face protection: no special measures required.

Other: no special measures required.

Environmental exposure control: no data available.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Grey, flexible, closed cell, foam covered with a black aluminum top layer, available in a wide variety of sizes.
Odour:	odourless
Softening range foam:	>75 °C
Autoflammability foam:	>300 °C
Thermal decomposition foam:	>160 °C
Explosive properties:	none



Apparent density foam:	21 - 40 kg/m ³
Sollubility in:	water: insoluble organic solvent : insoluble, partly soluble,
Boiling point	Not applicable
Melting point	Above 100°C
Decomposition temperature	No data available
Flash point	No data available
Ignition point	No data available
Vapour pressure	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available

9.2. Other information

No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use. Avoid any temperature >160 °C over a period >10 minutes. Avoid any contact with strong oxidizing chemicals.

10.2. Chemical stability

Product is chemically stable.

10.3. Possibility of hazardous reaction

None if used as directed.

10.4. Conditions to avoid

Avoid any contact with strong oxidizing chemicals and open flames.

Avoid storage in direct sunlight.

10.5. Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No data available.



Section 11: Toxicological information

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

Hazard classification	Information/comments
Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Reproduction toxicity	No data available
Carcinogenicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration hazard	No data available

11.2. Information on hazard classes

Endocrine disrupting properties: No data available

Other information: No data available

Section 12: Ecological information

12.1. Toxicity

Toxicity to fish (acute)	No data available
Toxicity to fish (chronic)	No data available
Toxicity to Daphnia (acute)	No data available
Toxicity to Daphnia (chronic)	No data available
Toxicity to algae (acute)	No data available
Toxicity to algae (chronic)	No data available
Bacteria toxicity	No data available

12.2. 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. Endocrine disrupting properties

No data available.



12.7. Other adverse effects

No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Product: allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional disposal company.

Packaging: residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

Section 14: Transport information

14.1. Transport ADR/RID/ADN

The product is not subject to ADR/RID/AND regulations.

14.2. Transport IMDG

The product is not subject to IMDG regulations.

14.3. Transport ICAO-TI/IATA regulations

The product is not subject to ICAO-TI/IATA regulations.

14.4. Other information

No data available.

14.5. Environmental hazards

If relevant, see 14.-14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant.

Section 15: Regulatory information

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

Regulation (EC) No. 1907/2006 (REACH) Annex XIV:

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorization as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorization

According to available data and the information provided by preliminary suppliers, the article does not contain substances that are considered substances meeting the criteria for



inclusion in Annex XIV (List of Substances Subject to Authorization) as laid down in Article 57 and Article 59 of REACH (EC) 1907/2006.

Regulation (EC) No. 1907/2006 (REACH) Annex XVII: Restriction on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

15.2. Chemical safety assessment

No data available.

Section 16: Other information

For additional product information contact Thermaflex Izolacji Sp. z o.o.

The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

Sources of key data used to compile the data sheet:

Regulation (EC) No. 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National threshold limit values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case. The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.