

ThermaSmart ENEV

Safety Data Sheet

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Version: v1.0

Section 1: Identification of the mixture and of the company

1.1. Product identifier

ThermaSmart ENEV

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.

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 low density polyethylene.
- Hazardous ingredients: the product contains antimony trioxide that is subject to EU Regulation no. 1907/2006 (REACH), annex II.

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.



Antimony trioxide	Content (% w/w) 3,25% - 8,25%
CAS no. 1309-64-4	Carc. 2
EC no. 215-175-0	H351
Type	1

Type 1: substance classified with a health or environmental hazard.

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

Hazardous combustion products: decomposition products may include the following materials – carbon dioxide, carbon monoxide, halogenated compounds, metal oxide/oxides.

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

Although some of the component of this product may have exposure guidelines, no exposure limits exists for this product would be expected under normal handling conditions due to the physical state of the material.

- Personal protective equipment: no special measures required.
- 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 tubes
Odour:	odourless
Softening range foam:	>75 °C
Autoflammability foam:	>300 °C
Thermal decomposition foam:	>160 °C
Explosive properties:	none
Apparent density foam:	21-33 [kg/m ³]
Sollubility in:	water: insoluble organic solvents: 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. The ingredient of concern is tightly bound within the product (practically not bioavailable)
STOT – single exposure	No data available
STOT – repeated exposure	No data available
Aspiration hazard	No data available

Information on: antimony trioxide

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

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

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6. Endocrine disrupting properties

No data available.

12.7. Additional information

- Adsorbable organically-bound halogen (AOX):
- The product contains according to the formulation, organically bound halogen. It can increase the
- AOX-value in the water purification plants overflow or if it reaches waters.
- Other ecotoxicological advice:
- The product is a polymeric compound.

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

Prohibitions, Restrictions and Authorizations

Restrictions of Regulation (EC) No 1907/2006, Annex XVII, Annex XIV do not apply for the intended use(s) of the product given in this SDS.

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):

Listed in above regulation: no

15.2. Chemical safety assessment

Chemical Safety Assessment not required.

Product is not classified as hazardous.

Section 16: Other information

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification: Carc. 2, H351

Justification: Calculation method

Full text of classifications [CLP/GHS]

H351 Suspected of causing cancer.

Carc. 2 CARCINOGENICITY - Category 2

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.