

**Safety data sheet**  
**according to UK REACH**

Revision: 22.08.2024

Version number 2

Date of the first version: 19.03.2019

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

· **1.1 Product identifier**

· **Trade name:** EUROTHERM EPS F-W1

· **Article number:** 1.002.161

· **CAS Number:**

9003-53-6

· **NLP Number:**

500-008-9

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

· **Life cycle stages**

PW Widespread use by professional workers

C Consumer use

· **Sector of Use**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU19 Building and construction work

· **Product category** PC0 Other

· **Process category** PROC0 Other

· **Environmental release category** ERC10a Widespread use of articles with low release (outdoor)

· **Application of the substance / the mixture** Thermal insulating boards

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

JUB d.o.o.

Dol pri Ljubljani 28

1262 DOL PRI LJUBLJANI

SLOVENIA

T: + 386 1 5884 183

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· **Further information obtainable from:**

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**· 1.4 Emergency telephone number:**

UK Emergency number: 999

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

**SECTION 2: Hazards identification****· 2.1 Classification of the substance or mixture**

In accordance with Regulations on the classification of chemicals, the product is not classified as a hazardous compound since the content of potentially hazardous components is significantly lower than the classification criteria.

**· Classification according to Regulation (EC) No 1272/2008**

The substance is not classified as hazardous to health or environment, according to the GB CLP regulation.

Void

**· 2.2 Label elements****· Labelling according to Regulation (EC) No 1272/2008** Void**· Hazard pictograms** Void**· Signal word** Void**· Hazard statements** Void**· 2.3 Other hazards****· Results of PBT and vPvB assessment** Not applicable.**· PBT:** Not applicable.**· vPvB:** Not applicable.**· Determination of endocrine-disrupting properties** Not applicable.**SECTION 3: Composition/information on ingredients****· 3.1 Substances****· CAS No. Description**

CAS: 9003-53-6 stiren, oligomer

**· Identification number(s)****· NLP Number:** 500-008-9**· Dangerous components:**

|                                    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |
|------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| CAS: 109-66-0<br>EINECS: 203-692-4 | pentane |  Flam. Liq. 2, H225<br> Asp. Tox. 1, H304<br> Aquatic Chronic 2, H411<br> STOT SE 3, H336<br>EUH066 | <1.000% |
|------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|

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### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
If symptoms persist consult doctor.  
Rinse out mouth and then drink plenty of water.

#### · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### · 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

#### · 5.3 Advice for firefighters

- **Protective equipment:** No special measures required.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

#### · 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

#### · 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

#### · 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.  
Dispose contaminated material as waste according to section 13.

#### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
No special measures required.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**  
Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in dry conditions.
- **Storage class:** 11
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
  - **Ingredients with limit values that require monitoring at the workplace:**
- |                              |                                                   |
|------------------------------|---------------------------------------------------|
| <b>CAS: 109-66-0 pentane</b> |                                                   |
| WEL                          | Long-term value: 1800 mg/m <sup>3</sup> , 600 ppm |
- **Additional information:** The lists valid during the making were used as basis.
  - **8.2 Exposure controls**
  - **Appropriate engineering controls** No further data; see section 7.
  - **Individual protection measures, such as personal protective equipment**
  - **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Do not eat or drink while working.
  - **Respiratory protection:**  
Not required.  
Not necessary if room is well-ventilated.

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- **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Protective gloves

Protective gloves that meet the criteria of BS EN 374.

Check protective gloves prior to each use for their proper condition.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection** Safety glasses

- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

|                                                                   |                           |
|-------------------------------------------------------------------|---------------------------|
| · <b>Physical state</b>                                           | Solid                     |
| · <b>Colour:</b>                                                  | White                     |
| · <b>Odour:</b>                                                   | Characteristic            |
| · <b>Odour threshold:</b>                                         | Not determined.           |
| · <b>Melting point/freezing point:</b>                            | Undetermined.             |
| · <b>Boiling point or initial boiling point and boiling range</b> | Undetermined.             |
| · <b>Flammability</b>                                             | Product is not flammable. |
| · <b>Lower and upper explosion limit</b>                          |                           |
| · <b>Lower:</b>                                                   | Not determined.           |
| · <b>Upper:</b>                                                   | Not determined.           |
| · <b>Flash point:</b>                                             | Not applicable.           |
| · <b>Decomposition temperature:</b>                               | Not determined.           |
| · <b>pH</b>                                                       | Not applicable.           |
| · <b>Viscosity:</b>                                               |                           |
| · <b>Kinematic viscosity</b>                                      | Not applicable.           |
| · <b>Dynamic:</b>                                                 | Not applicable.           |
| · <b>Vapour pressure:</b>                                         | Not applicable.           |

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- |                                          |                 |
|------------------------------------------|-----------------|
| · <b>Density and/or relative density</b> |                 |
| · <b>Density:</b>                        | Not determined. |
| · <b>Relative density</b>                | Not determined. |
| · <b>Vapour density</b>                  | Not applicable. |
| · <b>Particle characteristics</b>        |                 |
| See section 3.                           |                 |
- 
- |                                                                                        |                                               |
|----------------------------------------------------------------------------------------|-----------------------------------------------|
| · <b>9.2 Other information</b>                                                         |                                               |
| · <b>Appearance:</b>                                                                   |                                               |
| · <b>Form:</b>                                                                         | Solid                                         |
| · <b>Important information on protection of health and environment, and on safety.</b> |                                               |
| · <b>Ignition temperature:</b>                                                         | Not determined.                               |
| · <b>Explosive properties:</b>                                                         | Product does not present an explosion hazard. |
| · <b>Solvent content:</b>                                                              | 0.0 g/l                                       |
| · <b>Organic solvents:</b>                                                             | <1.0 %                                        |
| · <b>VOC (EC)</b>                                                                      | 0.00 %                                        |
- 
- |                                                                                    |      |
|------------------------------------------------------------------------------------|------|
| · <b>Information with regard to physical hazard classes</b>                        |      |
| · <b>Explosives</b>                                                                | Void |
| · <b>Flammable gases</b>                                                           | Void |
| · <b>Aerosols</b>                                                                  | Void |
| · <b>Oxidising gases</b>                                                           | Void |
| · <b>Gases under pressure</b>                                                      | Void |
| · <b>Flammable liquids</b>                                                         | Void |
| · <b>Flammable solids</b>                                                          | Void |
| · <b>Self-reactive substances and mixtures</b>                                     | Void |
| · <b>Pyrophoric liquids</b>                                                        | Void |
| · <b>Pyrophoric solids</b>                                                         | Void |
| · <b>Self-heating substances and mixtures</b>                                      | Void |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>                                                         | Void |
| · <b>Oxidising solids</b>                                                          | Void |
| · <b>Organic peroxides</b>                                                         | Void |
| · <b>Corrosive to metals</b>                                                       | Void |
| · <b>Desensitised explosives</b>                                                   | Void |

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

|                                          |
|------------------------------------------|
| · <b>Endocrine disrupting properties</b> |
|------------------------------------------|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

· **European waste catalogue**

|          |                                                                          |
|----------|--------------------------------------------------------------------------|
| 17 06 04 | insulation materials other than those mentioned in 17 06 01 and 17 06 03 |
| 15 01 02 | plastic packaging                                                        |

· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

### SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **14.4 Packing group**

· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

Not applicable.

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- |                                                                       |                 |
|-----------------------------------------------------------------------|-----------------|
| · <b>14.6 Special precautions for user</b>                            | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                       | Void            |

### SECTION 15: Regulatory information

#### · **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Following regulation was considered in the preparation of document:

Legislation on the occupational health and safety, the chemical legislation and regulations on biocidal products, regulations on classification, packaging and labeling of chemical and biocidal products and requirements on safety data sheets for chemicals and biocidal products composition, as well as regulations on the management of packaging and packaging waste and waste.

#### · **Poisons Act**

##### · **Regulated explosives precursors**

None of the ingredients is listed.

##### · **Regulated poisons**

None of the ingredients is listed.

##### · **Reportable explosives precursors**

None of the ingredients is listed.

##### · **Reportable poisons**

None of the ingredients is listed.

#### · **Labelling according to Regulation (EC) No 1272/2008** Void

#### · **Hazard pictograms** Void

#### · **Signal word** Void

#### · **Hazard statements** Void

#### · **Directive 2004/42/EC**

#### · **Directive 2012/18/EU**

#### · **Named dangerous substances - ANNEX I** Substance is not listed.

#### · **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

#### · **REGULATION (EU) 2019/1148**

#### · **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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|                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|
| · <b>Annex II - REPORTABLE EXPLOSIVES PRECURSORS</b>                                                                                            |
| None of the ingredients is listed.                                                                                                              |
| · <b>Regulation (EC) No 273/2004 on drug precursors</b>                                                                                         |
| None of the ingredients is listed.                                                                                                              |
| · <b>Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors</b> |
| None of the ingredients is listed.                                                                                                              |

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

· **Recommended restriction of use**

Claims contained in this document are based on our actual knowledge at the time of revision of this document. They do not undertake the properties of the product described in terms of the legal provisions for the pledge.

Placing this document as available does not unbind the product customer from its responsibility to comply with all relevant laws and regulations applicable for this product. This is especially valid in the case of product resale or resale of its mixtures or manufactured products from other areas of law and industrial property rights of third parties. If the product described above is changed by crafting or mixing with other materials, it is not possible to transfer claims from this document onto a newly made product, unless otherwise specified. In the case of product re-packaging the customer must attach the required relevant safety information as well.

· **Department issuing SDS:**

JUB d.o.o.

Product safety department

· **Contact:**

Laura Učakar

laura.ucakar@jub.eu

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**. \* Data compared to the previous version altered.**

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