

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.12.2022

Version number 1

Revision: 12.01.2022

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

**1.1 Product identifier**

Trade name webertherm PHS

Safety data sheet no.: 44P46226A

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

No further relevant information available.

**Application of the substance / the mixture** Construction chemicals

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

**Manufacturer/Supplier:**

Saint-Gobain Weber

Dickens House

Enterprise Way

Flitwick

Bedfordshire MK45 5BY

Tel: +44(0)1525 718877

webersds@saint-gobain.com

**1.4 Emergency telephone number:**

- Ireland: National Poisons Information Centre: +353 (1) 809 2166 (Members of the public 8am - 10pm, 7 days a week) ; +353 (1) 809 2566 (Healthcare professionals only 24/7)

- Iceland: Poisons Information Center - Icelandic University Hospital: +354 543 2222

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

The product is not classified, according to the CLP regulation.

**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**

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:**

Mixture consisting of substances either not classified or not required to be stated in the Safety Data Sheet according to Reg. (EU) 2015/830.

**Dangerous components:** Void

**SVHC** Void

**Additional information**

For the wording of the listed hazard phrases refer to section 16.

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This type of product is classified as Euroclass E in accordance with BS EN 13501-1 when containing a polymerised flame retardant.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

No special measures required.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

**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. Rinse liquid should be tempered (20-30°C).

**After swallowing** If symptoms persist consult a doctor.

#### 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

#### 5.1 Extinguishing media

##### Suitable extinguishing agents

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

Formation of toxic gases is possible during heating or in case of fire.

Carbon oxides (CO<sub>x</sub>)

Dust classified as weakly explosive (St. Class1).

#### 5.3 Advice for firefighters

**Protective equipment:** Wear self-contained respiratory protective device.

##### Additional information

The following fire precautions are recommended: Ensure adequate fire-fighting equipment is to hand and that there are sufficient fire exists, which are kept clear at all times. If there is an outbreak of fire, the Fire Brigade should be called immediately and advised that EPS is involved. The area should be evacuated by all personnel, except those fighting the fire.

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The following fire precautions are recommended:

Ensure adequate fire-fighting equipment is to hand and that there are sufficient fire exists, which are kept clear at all times.

If there is an outbreak of fire, the Fire Brigade should be called immediately and advised that EPS is involved. The area should be evacuated by all personnel, except those fighting the fire.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures Not required.

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**6.2 Environmental precautions:** No special measures required.**6.3 Methods and material for containment and cleaning up:** Pick up mechanically.**6.4 Reference to other sections**

See Section 7 for information on safe handling

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**

EPS is a combustible material and appropriate precautions must be taken at all stages to avoid ignition including storage.

Polystyrene dust similar to other hydrocarbon based polymers in this form, is classified as a Group (A) flammable dust and relevant precautions should be taken including the use of appropriate extraction to avoid accumulations creating explosive atmospheres.

EPS is a combustible material and appropriate precautions must be taken at all stages to avoid ignition including storage.

Polystyrene dust similar to other hydrocarbon based polymers in this form, is classified as a Group (A) flammable dust and relevant precautions should be taken including the use of appropriate extraction to avoid accumulations creating explosive atmospheres.

**Information about fire - and explosion protection:**

Ensure adequate fire-fighting equipment is to hand and that there are sufficient fire exits, which are kept clear at all times. If there is an outbreak of fire, the Fire Brigade should be called immediately and advised that EPS is involved. The area should be evacuated by all personnel, except those fighting the fire.

The following fire precautions are recommended:

Ensure adequate fire-fighting equipment is to hand and that there are sufficient fire exits, which are kept clear at all times.

If there is an outbreak of fire, the Fire Brigade should be called immediately and advised that EPS is involved. The area should be evacuated by all personnel, except those fighting the fire.

**7.2 Conditions for safe storage, including any incompatibilities**

EPS is a combustible material and appropriate precautions must be taken at all stages to avoid ignition including storage. Therefore, storage areas should be designated very strictly "no smoking" and free of other potential ignition hazards such as other combustible materials, welding, paint, petroleum etc. A hot work permit must be operated in areas storing or using EPS. This product should be stored at ground level (not on ramps) in areas free from rubbish which could aid the spread of flame in the event of a fire and under cover and in dry conditions.

Polystyrene dust similar to other hydrocarbon based polymers in this form, is classified as a Group (A) flammable dust and relevant precautions should be taken including the use of appropriate extraction to avoid accumulations creating explosive atmospheres.

Stockpiles should not contain more than 60 cubic metres (about 1 tonne). If a bigger volume needs to be stored it should be divided into two or more stockpiles at least 20m apart. They should be sited so that in the event of a fire flowing or dripping molten material will not cause the spread of fire to other combustible materials or to other areas of a building, in particular staircases and corridors.

The capacity of the bund area should be at least 3% of the maximum volume of EPS stored.

Stockpiles should be sited in such a manner that permanently marked access ways can be maintained. Stockpiles should not impair the performance of any sprinkler system. Sprinklers should be considered for larger quantities such as warehouses.

On building sites EPS should be stored wherever possible in a fenced compound or building which can be secured, under cover protected from high winds and raised above damp surfaces.

Small amounts of residual pentane (blowing agent) may be given off by the finished product, for this reason it should be stored in well ventilated areas.

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Protect from direct sunlight. Stack boards flat without bearers.

**Storage****Requirements to be met by storerooms and receptacles:**

EPS is a combustible material and appropriate precautions must be taken at all stages to avoid ignition including storage. Therefore, storage areas should be designated very strictly "no smoking" and free of other potential ignition hazards such as other combustible materials, welding, paint, petroleum etc. A hot work permit must be operated in areas storing or using EPS. This product should be stored at ground level (not on ramps) in areas free from rubbish which could aid the spread of flame in the event of a fire and under cover and in dry conditions.

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Small amounts of residual pentane (blowing agent) may be given off by the finished product, for this reason it should be stored in well ventilated areas.

Protect from direct sunlight. Stack boards flat without bearers.

Store only in unopened original receptacles.

**Information about storage in one common storage facility:** Store away from flammable substances.

**Further information about storage conditions:**

Protect from heat and direct sunlight.

None.

**Recommended storage temperature:** Ambient temperature

**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:**

**Additional information:**

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

**8.2 Exposure controls**

**Appropriate engineering controls** No further data; see item 7.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:**

Suitable respiratory protection recommended when cutting. For mechanical cutting in a confined space extraction is recommended.

**Hand protection** Protective gloves.

**Eye/face protection** Eye protection recommended during mechanical cutting.

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Body protection: Protective work clothing.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	? °C (DIN ISO 3016)
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Flash ignition point is between 350 and 490 °C depending on application.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
	Not liquid
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not applicable.
dynamic:	Not applicable.
Solubility	
Water:	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Density at 20 °C:	1.04-1.065 g/cm <sup>3</sup> (DIN 51757)
	Not applicable.
Relative density	Not determined.
Vapour density	Not applicable.
Particle characteristics	See item 3.

#### 9.2 Other information

##### Appearance:

Form: Solid.

##### Important information on protection of health and environment, and on safety.

Explosive properties: Product does not present an explosion hazard.

##### Minimum ignition energy

##### Solvent content:

Organic solvents: 1.8 %

EU-VOC (%) 1.8000 %

EU-VOC (g/L) 18.0000 g/l

Solids content: 100.0 %

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<b>Change in condition</b>	
<b>Softening point/range</b>	
<b>Oxidising properties</b>	Not determined.
<b>Evaporation rate</b>	Not applicable.

### Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

## SECTION 10: Stability and reactivity

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

**10.2 Chemical stability** Stable at recommended storage conditions

**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.

**LD/LC50 values relevant for classification:**

Components	/	Type	/	Value	/	Species
<b>CAS: 9003-53-6 polystyrene</b>						
Oral	LD50	>2,000 mg/kg (Rat)				
Dermal	LD50	>2,000 mg/kg (Rabbit)				

**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.

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**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

#### Endocrine disrupting properties

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:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

### 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:** Do not allow product to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Recommendation** Smaller quantities can be disposed of with household waste.

#### Waste disposal key:

The classification in a waste code according to the european waste catalogue (EWC) is to be made in accordance with the regional responsible for waste disposal

#### European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

#### Uncleaned packaging:

**Recommendation:** Non contaminated packagings may be recycled.

## 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

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### 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.

### 14.6 Special precautions for user

Not applicable.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

### UN "Model Regulation":

Void

## SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

#### Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is 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.

#### Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

#### Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

#### Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

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.

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**Department issuing SDS:** EHS

**Contact:**

webersds

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**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

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

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

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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