

Heat-shrinkable products for sealing and corrosion protection

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

1.1. Product identifier

Product name	: Heat-shrinkable products for sealing and corrosion protection
Synonyms	: AFCH; AFLX-CAP; AFLX-SPLICE; AFLX-TEE; APPM; ASE-2/-4; BLOT; CASEAL; CCS-DHEC; Covalence BLUE-60; CPSM; CSEM; CSEM-F; DHEC; DIRAX; DUALSEAL; ES100; FCMS; FCMS-CAP; FCWS; FCWS-F; FLANGESEAL; FLEXCLAD; FOPS; GAPS; GRS (M); GRSM-F; HEPS; HTLP; HTTE; IPEC; IPPS; IPSM; LPSM; MCWS; MEPS; MWRM; MWTM; OVERFLEX; PERP; PERPFILLER; PERP-MELTSTICK; PP-Meltstick; PPS120; RAY/6075E; RAYCLAD; RAYJOINT; RETROCLAD; RFS; RJS; RJS-E; Rockshield-PP; ROCS; S1052; S1080; S1113; S1113-DA-RI; S1137; S1182; S1238; SATM; STTE; TAC; TDBM; TFLS; TISK; TISKW-F; TISW-F; TPS; TPSM; TSSM; TSSR; TWDB; WAFT; WATERWRAP; WEPS; WPC100M; WPC120; WPC60; WPC65M; WPC80; WPC-B30; WPC-C30; WPC-C50; WPCP-IV; XCSM; XL SHEET
Registration number REACH	: Not applicable (article)
Product type REACH	: Article with substance/mixture as integral part

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

1.2.1 Relevant identified uses

Professional use
Heat shrinkable polymeric products
Sealant

1.2.2 Uses advised against

No uses advised against

1.3 Details of the supplier of the Product Safety Information Sheet:

Supplier of the Product Safety Information Sheet

Seal for Life Industries BVBA
Nijverheidsstraat 13
B-2260 Westerlo
☎ +32 14 72 25 00
☎ +32 14 72 25 70
belgium@sealforlife.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
+32 14 58 45 45 (BIG)
24h/24h:
USA: +1 800 424 93 00 (Chemtrec)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.2. Label elements

Labelling does not apply to articles

2.3. Other hazards

Heated product causes burns

SECTION 3: Composition/information on ingredients

This article does not contain any notifiable substances

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

If you feel unwell, seek medical advice.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Rinse with water. Take victim to a doctor if irritation persists. In case of burns: Wash immediately with lots of water (15 minutes)/shower. Remove clothing while washing. Do not tear off solidified product from the skin. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.

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After eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Not applicable.

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

4.2.1 Acute symptoms

After inhalation:

ON OVERHEATING: Irritation of the respiratory tract. Coughing. Headache. Dizziness. Nausea. Respiratory difficulties.

After skin contact:

IF MELTING: Burns.

After eye contact:

ON OVERHEATING: Slight irritation. Redness of the eye tissue.

After ingestion:

Not applicable.

4.2.2 Delayed symptoms

No effects known.

4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. ABC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

5.3.1 Instructions:

Dilute toxic gases with water spray.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain leaking substance.

6.3. Methods and material for containment and cleaning up

Solid spill: shovel. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Stop heating immediately if the product bubbles, chars or shows other signs of degradation. Observe normal hygiene standards. Avoid inhaling vapours/fumes which may be released during use.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: <50 °C. Store in a dry area. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, oxidizing agents, (strong) acids, (strong) bases.

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7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.
Refer to Seal for Life Industries product installation instructions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

8.2.1 Appropriate engineering controls

Stop heating immediately if the product bubbles, chars or shows other signs of degradation. In case work is not done in the open, use general and/or local exhaust ventilation of the workplace.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Avoid inhaling vapours/fumes which may be released during use. Do not eat, drink or smoke during work.

a) Respiratory protection:

On heating: gas mask with filter type A.

b) Hand protection:

Insulated gloves.

c) Eye protection:

Safety glasses.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Solid
Odour	Almost odourless
Odour threshold	No data available
Colour	Variable in colour, depending on the composition
Particle size	Not applicable
Explosion limits	No data available
Flammability	Can burn
Log Kow	No data available
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	65 °C - 160 °C
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Relative vapour density	Not applicable
Vapour pressure	Not applicable
Solubility	water ; Not applicable
Relative density	0.9 - 1.8
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties

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Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Heating increases the fire hazard.

10.2. Chemical stability

Stable under normal conditions. Thermal decomposition is not significant when products are used in accordance with Seal for Life Industries product installation instructions.

10.3. Possibility of hazardous reactions

When processed: release of irritant gases/vapours.

10.4. Conditions to avoid

Stop heating immediately if the product bubbles, chars or shows other signs of degradation.

10.5. Incompatible materials

Oxidizing agents, (strong) acids, (strong) bases.

10.6. Hazardous decomposition products

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

[Heat-shrinkable products for sealing and corrosion protection](#)

No (test) data available

Conclusion

Not classified for acute toxicity

Corrosion/irritation

[Heat-shrinkable products for sealing and corrosion protection](#)

No (test) data available

Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

[Heat-shrinkable products for sealing and corrosion protection](#)

No (test) data available

Conclusion

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

Specific target organ toxicity

[Heat-shrinkable products for sealing and corrosion protection](#)

No (test) data available

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

[Heat-shrinkable products for sealing and corrosion protection](#)

No (test) data available

Mutagenicity (in vivo)

[Heat-shrinkable products for sealing and corrosion protection](#)

No (test) data available

Carcinogenicity

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No (test)data available

Reproductive toxicity

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No (test)data available

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

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No (test)data available

Chronic effects from short and long-term exposure

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No effects known.

SECTION 12: Ecological information

12.1. Toxicity

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No (test)data available

Conclusion

Classification concerning the environment: not applicable

12.2. Persistence and degradability

Biodegradability in water: no data available

12.3. Bioaccumulative potential

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Method	Remark	Value	Temperature	Value determination
	No data available			

Conclusion

No bioaccumulation data available

12.4. Mobility in soil

Not determined

12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

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Ozone-depleting potential (ODP)

Not applicable (article)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other waste codes may be applicable. Can be considered as non-hazardous waste according to Regulation (EU) No 1357/2014.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Remove to an authorized waste treatment plant.

13.1.3 Packaging/Container

No data available.

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SECTION 14: Transport information

Road (ADR)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Hazard identification number		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions		
Limited quantities		

Rail (RID)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Hazard identification number		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions		
Limited quantities		

Inland waterways (ADN)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Class		
Classification code		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions		
Limited quantities		

Sea (IMDG/IMSBC)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
Class		
14.4. Packing group		
Packing group		
Labels		
14.5. Environmental hazards		
Marine pollutant	-	
Environmentally hazardous substance mark	no	
14.6. Special precautions for user		
Special provisions		
Limited quantities		
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code		

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Annex II of MARPOL 73/78

Air (ICAO-TI/IATA-DGR)

14.1. UN number

Transport Not subject

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Class

14.4. Packing group

Packing group

Labels

14.5. Environmental hazards

Environmentally hazardous substance mark

no

14.6. Special precautions for user

Special provisions

Passenger and cargo transport: limited quantities: maximum net quantity per packaging

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	Not applicable (inorganic)

National legislation The Netherlands

Waste identification (the Netherlands)	LWCA (the Netherlands): KGA category 03
Waterbezuwaarlijkheid	Not applicable (article)

National legislation Germany

WGK	Not applicable (article)
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15.2. Chemical safety assessment

No chemical safety assessment has been conducted.

SECTION 16: Other information

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this Product Safety Information Sheet informs on the properties of certain substances, preparations or mixtures incorporated in the article. The Product Safety Information Sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this Product Safety Information Sheet does not release the user from the obligation to take all measures dictated by common sense, regulations, the guidelines of the manufacturer and recommendations or which are necessary and/or useful based on the real applicable circumstances. The Product Safety Information Sheet constitutes merely of guidelines and recommendations. The information in this Product safety Information Sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. New Product Safety Information Sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the Product Safety Information Sheet, the information does not apply to other, even similar products. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This Product Safety Information Sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this Product Safety Information Sheet is subject to the licence and liability limiting conditions as stated in the agreement between BIG and the manufacturer of this product or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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