

## heat-shrinkable products for sealing and corrosion protection

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

#### 1.1 Product identifier:

<b>Product name</b>	: heat-shrinkable products for sealing and corrosion protection
<b>Synonyms</b>	: RAY/6075E; WEPS; TSSM; TSSR; ES100; TAC; AFCH; HEPS; AFLX-CAP; AFLX-SPLICE; AFLX-TEE; APPM; ASE-2/-4; CASEAL; CPSM; CSEM; CSEM-F; DIRAX; DUALSEAL; FLANGESEAL; FLEXCLAD; FOPS; GAPS; GRS(M); GRSM-F; heat-shrinkable polymeric products, RAY/6075E; heat-shrinkable products for environmental and corrosion protection; HTLP; HTTE; IPPS; IPSM; LPSM; CCS-DHEC; FCMS; FCMS-CAP; FCWS; FCWS-F; STTE; MWRM; MWTM; S1052; S1080; S1113; S1113-DA-Ri; TPS; TPSM; DHEC; PERP; PERPFILLER; PERP-MELTSTICK; TISK; MEPS; IPEC; BLOT; OVERFLEX; PP-Meltstick; PPS120; RAYCLAD; RAYJOINT; RETROCLAD; RJS; RJS-E; ROCS; S1137; S1182; S1238; SATM; TDBM; TISKW-F; TISW-F; WAFT; WATERWRAP; WPC100M; WPC120; WPC60; WPC65M; WPC80; WPC-B30; WPC-C30; WPC-C50; WPCP-IV; XCSM; XL SHEET; MCWS; TFLS; Rockshield-PP; RFS; TWDB
<b>Registration number REACH</b>	: Not applicable (article)
<b>Product type REACH</b>	: Article with substance/preparation 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  
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  
2260 Westerlo, Belgium  
Tel: +32 14 72 25 00  
Fax: +32 14 72 25 70  
cpge@berryplastics.com

#### 1.4 Emergency telephone number:

During business hours:  
888 767 7200 Berry Plastics Corrosion Protection Group Houston  
24h/24h (Telephone advice: English, French, German, Dutch):  
+32 14 58 45 45 (BIG)  
24h/24h:  
USA: +1 800 424 93 00

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture:

##### 2.1.1 Classification according to Regulation EC No 1272/2008

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

##### 2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC

#### 2.2 Label elements:

##### Labelling according to Regulation EC No 1272/2008 (CLP)

Labelling does not apply to articles

##### Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Labelling does not apply to articles

#### 2.3 Other hazards:

CLP

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Can burn  
Heated product causes burns

## DSD/DPD

Can burn  
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.

#### 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

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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

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1 Precautions for safe handling:

Stop heating immediately if the mastic 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.

#### 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

Product name	Test	Number
No data available		

#### 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:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

Stop heating immediately if the mastic 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.

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## b) Hand protection:

Insulated gloves.

- materials for protective clothing (good resistance)

Neoprene, nitrile rubber.

## 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 - 160 °C
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Vapour pressure	Not applicable
Relative vapour density	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
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

### Physical hazards

No physical hazard class

### 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 Berry Plastics 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 mastic bubbles, chars or shows other signs of degradation.

### 10.5 Incompatible materials:

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

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## 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

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No (test)data available

##### **Conclusion**

Not classified for acute toxicity

##### Corrosion/irritation

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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

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No (test)data available

##### **Conclusion**

Not classified as sensitizing for inhalation

Not classified as sensitizing for skin

##### Specific target organ toxicity

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No (test)data available

##### **Conclusion**

Not classified for subchronic toxicity

##### Mutagenicity (in vitro)

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No (test)data available

##### Mutagenicity (in vivo)

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No (test)data available

##### Carcinogenicity

heat-shrinkable products for sealing and corrosion protection

No (test)data available

##### Reproductive toxicity

heat-shrinkable products for sealing and corrosion protection

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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#### Log Kow

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:

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

#### Ozone-depleting potential (ODP)

Not applicable (article)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 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 (wastes from MFSU of adhesives and sealants (including waterproofing products)).

08 04 10 (waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other EURAL codes may be applicable. Can be considered as non hazardous waste according to Directive 2008/98/EC.

#### 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.

## SECTION 14: Transport information

### Road (ADR)

#### 14.1 UN number:

Transport	Not subject
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#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
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Labels	
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14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
Limited quantities	

## Rail (RID)

14.1 UN number:

Transport	Not subject
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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
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14.6 Special precautions for user:

Special provisions	
Limited quantities	

## Inland waterways (ADN)

14.1 UN number:

Transport	Not subject
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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
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14.6 Special precautions for user:

Special provisions	
Limited quantities	

## Sea (IMDG)

14.1 UN number:

Transport	Not subject
-----------	-------------

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
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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 73/78 and the IBC Code:

Annex II of MARPOL 73/78	
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## Air (ICAO-TI/IATA-DGR)

14.1 UN number:

Transport	Not subject
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

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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:

Volatile organic compounds (VOC)

Not applicable

### 15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

## SECTION 16: Other information

### Full text of any R-phrases referred to under headings 2 and 3:

(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

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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