

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

1.1. Product identifier

Product form : Mixture
Product name : Sure-Seal EP-95 Splicing Cement
Product code : 302146

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Splicing adhesive for EPDM Single-Ply Roofing Membrane
Product for industrial use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Carlisle Syntec Europe B.V.
Bloemendalerweg 25
1382 KB Weesp
Netherlands

1.4. Emergency telephone number

Emergency number : +44 1865 407 333 – English speaking (24 hours, 7 days)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Repr. 2 H361d
STOT SE 3 H336
STOT RE 2 H373
Aquatic Chronic 2 H411

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Repr.Cat.3; R63

F+; R12

Xn; R48/20

Xi; R36/38

N; R51/53

R67

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

GHS09

Signal word (CLP) : Danger

Hazardous ingredients : Heptane, Solvent naphtha (petroleum), light aliph., Xylene, Isopropanol, Toluene

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation

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H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H373 - May cause damage to organs (neuropsychological effects, auditory dysfunction, effects on colour vision, central nervous system, liver, kidneys) through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

P201 - Obtain special instructions before use
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308+P313 - IF exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container to an authorised waste collection point

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Toluene	(CAS No) 108-88-3 (EC No.) 203-625-9 (EC index No.) 601-021-00-3	30 - 60	F; R11 Repr.Cat.3; R63 Xn; R65 Xn; R48/20 Xi; R36/38 R67
Xylene	(CAS No) 1330-20-7 (EC No.) 215-535-7	7 - 13	R10 Xn; R20/21 Xi; R36/37/38 Xn; R65
Heptane	(CAS No) 142-82-5 (EC No.) 205-563-8 (EC index No.) 601-008-00-2	5 - 10	F; R11 Xn; R65 Xi; R38 R67 N; R50/53
Solvent naphtha (petroleum), light aliph.	(CAS No) 64742-89-8 (EC No.) 265-192-2 (EC index No.) 649-267-00-0	5 - 10	F+; R12 Xi; R38 Xn; R65 R67 N; R51/53
Isopropanol	(CAS No) 67-63-0 (EC No.) 200-661-7 (EC index No.) 603-117-00-0	5 - 10	F; R11 Xi; R36 R67
Titanium tetraisopropanolate	(CAS No) 546-68-9 (EC No.) 208-909-6	3 - 10	R10 R67 Xi; R36
Magnesium oxide	(CAS No) 1309-48-4 (EC No.) 215-171-9	1 - 3	Not classified
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	(CAS No) 68610-51-5 (EC No.) 271-867-2	0.1 - 1	R53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Toluene	(CAS No) 108-88-3 (EC No.) 203-625-9 (EC index No.) 601-021-00-3	30 - 60	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Xylene	(CAS No) 1330-20-7 (EC No.) 215-535-7	7 - 13	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Heptane	(CAS No) 142-82-5 (EC No.) 205-563-8 (EC index No.) 601-008-00-2	5 - 10	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Solvent naphtha (petroleum), light aliph.	(CAS No) 64742-89-8 (EC No.) 265-192-2 (EC index No.) 649-267-00-0	5 - 10	Flam. Liq. 1, H224 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Isopropanol	(CAS No) 67-63-0 (EC No.) 200-661-7 (EC index No.) 603-117-00-0	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Titanium tetraisopropanolate	(CAS No) 546-68-9 (EC No.) 208-909-6	3 - 10	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335
Magnesium oxide	(CAS No) 1309-48-4 (EC No.) 215-171-9	1 - 3	Not classified
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	(CAS No) 68610-51-5 (EC No.) 271-867-2	0.1 - 1	Aquatic Chronic 4, H413

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.
- First-aid measures after skin contact : Immediately remove contaminated clothing or footwear. Rinse skin with plenty of water or shower. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Give 100 - 200 ml of water to drink. Do not give an unconscious person anything to drink. Obtain immediate medical attention.

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

- Symptoms/injuries after inhalation : May cause drowsiness or dizziness.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : Ingestion may cause irritation of the gastrointestinal tract.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical. Foam. Carbon dioxide.
- Unsuitable extinguishing media : Do not use water jet. Water may be ineffective.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
- Explosion hazard : Containers may rupture when heated.
- Hazardous decomposition products in case of fire : Fire may produce irritating, corrosive and/or toxic gases. Nitrogen oxides. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

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Protection during firefighting : Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Remove all sources of ignition. Evacuate unnecessary personnel. Ensure adequate ventilation.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and eye or face protection.

Emergency procedures : Remove all sources of ignition. Use only non-sparking tools. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Ensure adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb with earth, sand or other non-combustible material, allow to cure, and transfer to containers for later disposal. Wash spill area with soapy water. Washings must be prevented from entering surface water drains.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately grounded. Use only explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing. Provide adequate ventilation. Use only outdoors or in a well-ventilated area. Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing.

Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep away from open flames, hot surfaces and sources of ignition.

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a dry place. Keep cool. Protect from freezing.

Incompatible materials : Strong acids. Strong alkalis. Strong oxidizing agents.

7.3. Specific end use(s)

Splicing adhesive for EPDM Single-Ply Roofing Membrane. Product for industrial use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Heptane (142-82-5)		
EU	Local name	n-Heptane
EU	IOELV TWA (mg/m ³)	2085 mg/m ³
EU	IOELV TWA (ppm)	500 ppm
United Kingdom	Local name	n-Heptane
United Kingdom	WEL TWA (mg/m ³)	2085 mg/m ³
United Kingdom	WEL TWA (ppm)	500 ppm
Xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
United Kingdom	Local name	Xylene, o-,m-,p- or mixed isomers
United Kingdom	WEL TWA (mg/m ³)	220 mg/m ³

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Xylene (1330-20-7)		
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	441 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk, BMGV

Magnesium oxide (1309-48-4)		
United Kingdom	Local name	Magnesium oxide (as Mg)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ inhalable dust 12 mg/m ³ respirable dust

Isopropanol (67-63-0)		
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m ³)	999 mg/m ³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m ³)	1250 mg/m ³
United Kingdom	WEL STEL (ppm)	500 ppm

Toluene (108-88-3)		
United Kingdom	Local name	Toulene
United Kingdom	WEL TWA (mg/m ³)	191 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	384 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk

8.2. Exposure controls

Appropriate engineering controls	: Provide adequate ventilation.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear chemically resistant protective gloves. Standard EN 374 - Protective gloves against chemicals. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.
Eye protection	: Chemical goggles or face shield. Standard EN 166 - Personal eye-protection.
Skin and body protection	: Long sleeved protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazard protection	: Wear heat-resistant gloves and clothing if the product is heated.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black.
Odour	: Hydrocarbon.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: 2.3
Melting point	: -95 - -47 °C
Freezing point	: No data available
Boiling point	: 90 - 141 °C
Flash point	: -13 °C
Auto-ignition temperature	: 230 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 21.8 mm Hg
Relative vapour density at 20 °C	: 3.4 (air = 1)
Relative density	: 0.882 (Water = 1)

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Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 3600 mPa·s
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: 0.9 - 7 vol %

9.2. Other information

VOC content	: < 605 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Ignition sources. Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases. Nitrogen oxides. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
	Based on available data, the classification criteria are not met

Heptane (142-82-5)	
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	103 mg/l/4h
LC50, oral, mouse	5000 mg/kg

Solvent naphtha (petroleum), light aliph. (64742-89-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5610 mg/l/4h

Xylene (1330-20-7)	
LD50 oral rat	3523 mg/kg
LC50 inhalation rat (mg/l)	29.09 mg/l/4h

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene (68610-51-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Isopropanol (67-63-0)	
LD50 oral rat	4396 mg/kg
LD50 dermal rat	12800 mg/kg
LC50 inhalation rat (mg/l)	72.6 mg/l/4h

Toluene (108-88-3)	
LD50 oral rat	5588 mg/kg (calculated value)
LD50 dermal rabbit	12267 mg/kg
LC50 inhalation rat (mg/l)	28.1 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.

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Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Suspected of damaging the unborn child.
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs (neuropsychological effects, auditory dysfunction, effects on colour vision, central nervous system, liver, kidneys) through prolonged or repeated exposure.
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Causes skin irritation. Causes serious eye irritation. Vapours may cause drowsiness and dizziness. Ingestion may cause irritation of the gastrointestinal tract.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.

Heptane (142-82-5)	
EC50	1.5 mg/l (48 Hours, static test, Daphnia magna)

Solvent naphtha (petroleum), light aliph. (64742-89-8)	
EL50	3.1 mg/l (72 Hours, Growth rate, Pseudokirchnerella subcapitata)

Xylene (1330-20-7)	
LC50	23.53 - 29.97 mg/l (96 Hours, static test, Pimephales promelas)
LC50	13.4 mg/l (96 Hours, flow-through, Pimephales promelas)
LC50	7.711 - 9.591 mg/l (96 Hours, static test, Lepomis macrochirus)
LC50	13.1 - 16.5 mg/l (96 Hours, flow-through, Lepomis macrochirus)
LC50	2.661 - 4.093 mg/l (96 Hours, static test, Oncorhynchus mykiss (Rainbow trout))
LC50	780 mg/l (96 Hours, semi-static, Cyprinus carpio)
LC50	30.26 - 40.75 mg/l (96 Hours, static test, Poecilia reticulata)
EC50	3.82 mg/l (48 Hours, water flea)
LC50	0.6 mg/l (96 Hours, Gammarus lacustris)

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene (68610-51-5)	
LC50	> 0.2 mg/l (96 Hours, semi-static, Oncorhynchus mykiss (Rainbow trout))
EC50	> 0.2 mg/l (48 Hours, semi-static, Daphnia magna)
EC50	> 0.2 (48 Hours, static test, Pseudokirchnerella subcapitata)

Isopropanol (67-63-0)	
LC50 fish	11130 mg/l 96 h - Pimephales promelas
LC50 other aquatic organisms	1400 mg/l 48 h - Crustaceans
EC50 Daphnia	13299 mg/l 48 h - Daphnia magna

Toluene (108-88-3)	
LC50	15.22 - 19.05 mg/l (96 Hours, flow-through, Pimephales promelas)
LC50	12.6 mg/l (96 Hours, static test, Pimephales promelas)
LC50	5.89 - 7.81 mg/l (96 Hours, flow-through, Oncorhynchus mykiss (Rainbow trout))
LC50	14.1 - 17.16 mg/l (96 Hours, static test, Oncorhynchus mykiss (Rainbow trout))
LC50	5.8 mg/l (96 Hours, semi-static, Oncorhynchus mykiss (Rainbow trout))
LC50	11 - 15 mg/l (96 Hours, static test, Lepomis macrochirus)
LC50	50.87 - 70.34 (96 Hours, static test, Poecilia reticulata)
LC50	28.2 mg/l (96 Hours, semi-static, Poecilia reticulata)
EC50	5.46 - 9.83 mg/l (48 Hours, static test, Daphnia magna)
EC50	12.5 mg/l (72 Hours, static test, Pseudokirchnerella subcapitata)

12.2. Persistence and degradability

Isopropanol (67-63-0)	
Persistence and degradability	Expected to be readily biodegradable.

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12.3. Bioaccumulative potential

Isopropanol (67-63-0)

Bioconcentration factor (BCF REACH) : 3

12.4. Mobility in soil

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Ecology - soil : Insoluble in water.

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of this material and its container at hazardous or special waste collection point.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Additional information : Handle empty containers with care.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 1133

UN-No. (IATA) : 1133

UN-No. (IMDG) : 1133

14.2. UN proper shipping name

Proper Shipping Name (ADR/RID) : ADHESIVES

Proper Shipping Name (IATA) : ADHESIVES

Proper Shipping Name (IMDG) : ADHESIVES

Transport document description (ADR) : UN 1133 ADHESIVES (), 3, II

14.3. Transport hazard class(es)

Class (ADR/RID) : 3

Class (IATA) : 3

Class (IMDG) : 3

Hazard labels (ADR/RID) : 3



Hazard labels (IATA) : 3



Danger labels (IMDG) : 3



14.4. Packing group

Packing group (ADR/RID) : II

Packing group (IATA) : II

Packing group (IMDG) : II

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14.5. Environmental hazards

Dangerous for the environment
Marine pollutant



Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : No special precautions required.

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Authorisations and/or restrictions on use (Annex XVII):

3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Sure-Seal EP-95 Splicing Cement
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Sure-Seal EP-95 Splicing Cement
3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Sure-Seal EP-95 Splicing Cement

Contains no substance on the REACH candidate list

VOC content : < 605 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2

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Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H224	Extremely flammable liquid and vapour
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life
R10	Flammable
R11	Highly flammable
R12	Extremely flammable
R20/21	Harmful by inhalation and in contact with skin
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
R38	Irritating to skin
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R53	May cause long-term adverse effects in the aquatic environment
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
F+	Extremely flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

NCEC SDS EU (REACH ANNEX II)

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