Safety Data Sheet



SoudaBond Subfloor Collapsing Foam Adhesive Safety Data Sheet

Issue date: 11/15/2024

Supercedes: 11/14/2019

Version: 2.0

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

1.1. Product identifier	
Product form Trade name Reference number Vaporizer	: Mixture : SoudaBond Subfloor Collapsing Foam Adhesive : 137642 : Aerosol
1.2. Relevant identified uses of the	e substance or mixture and uses advised against
1.2.1. Relevant identified uses Intended for general public Main use category	: Consumer use, Professional use
Use of the substance/mixture 1.2.2. Uses advised against	: Polyurethane
No additional information available	
1.3. Details of the supplier of the s	afety data sheet
Soudal 350 Ring Road Elizabethtown, KY 42701 T (270) 769-3385 <u>www.SoudalUSA.com</u>	
1.4. Emergency telephone number	
Emergency number	Chem Trec (800) 424-9300

SECTION 2: Hazards identification

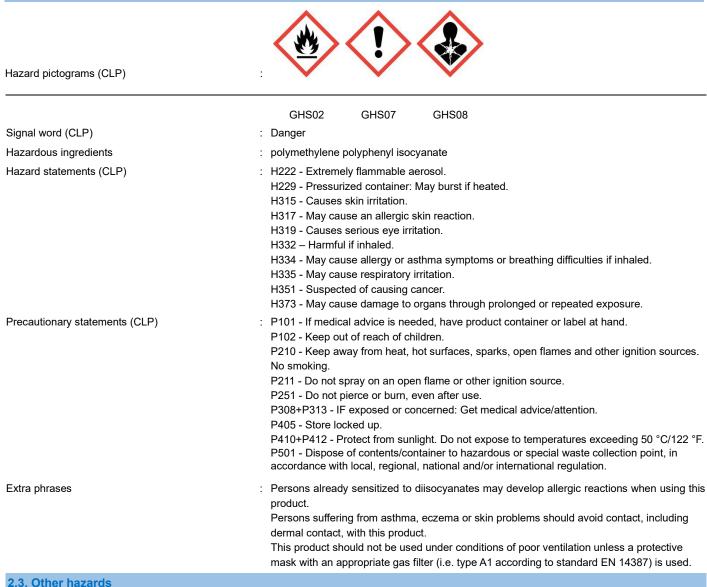
2.1. Classification of the substance or mixture

Aerosol, Category 1	H222;H229
Acute toxicity (inhalation: dust, mist), Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Respiratory sensitization, Category 1	H334
Skin sensitization, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3,	H335
Respiratory tract irritation	
Specific target organ toxicity — Repeated exposure, Category 2	H373
Adverse physicochemical, human health and environmental effect	ts

Pressurized container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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2.2. Label elements



The product does not meet the PBT and vPvB classification criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Name	Product identifier	%	Classification
polymethylene polyphenyl isocyanate	(CAS-No.) 9016-87-9	≥ 25 – < 50	Carc. 2, H351 Resp. Sens. 1, H334 Skin Sens. 1, H317 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

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reaction products of phosphoryl trichloride and 2methyloxirane	(CAS-No.) 1244733-77-4	≥10 - < 25	Acute Tox. 4 (Oral), H302
dimethyl ether (Propellant gas (Aerosol))	(CAS-No.) 115-10-6	≥ 5 – < 10	Flam. Gas 1A, H220 Press. Gas
isobutane (Propellant gas (Aerosol))	(CAS-No.) 75-28-5	≥ 5 – < 10	Flam. Gas 1A, H220 Press. Gas
propane (Propellant gas (Aerosol))	(CAS-No.) 74-98-6	≥ 1 – < 5	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Triethyl phosphate	(CAS-No.) 78-40-0	≥1-<5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/effects after inhalation	: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
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 : Water spray. Dry pow	vder. Foam. Carbon dioxide.
Unsuitable extinguishing media : None know	Nn.
5.2. Special hazards arising from the substa	ance or mixture
Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Pressurized container: May burst if heated.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	
	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up	: Leave the product to solidify. Mechanically recover the product. Carefully collect the spill/leftovers. Notify authorities if product enters sewers or public waters. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.
Other information	: Dispose of materials or solid residues at an authorized site.

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. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	any incompatibilities
Storage conditions	
-	: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Incompatible products	: Heat sources. Ignition sources. Strong bases. Strong acids.
Packaging materials	: Aerosol.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection	
8.1. Control parameters	
dimethyl ether (115-10-6)	
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AIHA WEEL (TWA)	1,000 ppm (8 hours)
polymethylene polyphenyl isocyanate (9016-8	7-9)
ACGIH (TWA)	0.005 ppm
Propane (74-98-6)	
NIOSH REL (TWA)	1,800 mg/m³; 1,000 ppm (10 hours)
OSHA PEL (TWA)	1,800 mg/m³; 1,000 ppm (8 hours)
Isobutane (75-28-5)	
NIOSH REL (TWA)	1,900 mg/m³; 800 ppm (10 hours)
ACGIH TLV (STEL)	1,000 ppm (15 min)
Triethyl phosphate (78-40-0)	
ACGIH (TWA)	7.45 mg/m ³
8.2. Exposure controls	

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and 9.1. Information on basic phy	chemical properties vsical and chemical properties
Physical state	: Liquid
Appearance	: Aerosol.
Color	: Variable.
Odor	: characteristic.
Odor threshold	: No data available

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pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.982 (20°C)
Density	: 982 kg/m³ (20°C)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurized container: May burst if heated.
Oxidizing properties	: No data available
Explosive limits	: No data available
9.2. Other information	
ola. Other information	

VOC content

: < 17.9 % (175 g/l)

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurized container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) Acute toxicity (dermal) : Not classified : Not classified.

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Acute toxicity (inhalation)	Not classified
dimethyl ether (115-10-6)	
LC50 Inhalation - Rat [ppm]	164000 ppm (4 h, Rat, Male, Experimental value, Inhalation (gases), 14 day(s))
propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))
isobutane (75-28-5)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))

polymethylene polyphenyl isocyanate (9016-8	37-9)			
LD50 oral rat	> 10000 mg/kg (Rat, Literature study, Oral)			
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Literature study, Dermal)			
reaction products of phosphoryl trichloride a	reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)			
LD50 oral rat	632 mg/kg			
LD50 dermal rat	> 2000 mg/kg			
LC50 Inhalation - Rat	> 7 mg/l/4h			
Triethylphophate (78-40-0)				
LD50 oral rat	500.1 mg/kg			
LD50 dermal rabbit	> 500 mg/kg			
Skin corrosion/irritation	Causes skin irritation.			
Serious eye damage/irritation Respiratory or skin sensitization	:Causes serious eye irritation. :May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.			
- 5 5	:Not classified			
Carcinogenicity	:Suspected of causing cancer.			
polymethylene polyphenyl isocyanate (9016-8	37-9)			
IARC group	3 - Not classifiable			
Reproductive toxicity	:Not classified			
STOT-single exposure	:May cause respiratory irritation.			
STOT-repeated exposure	:May cause damage to organs through prolonged or repeated exposure.			
Aspiration hazard	:Not classified			
Soudafoam Fireblock Gun				
Vaporizer	Aerosol			

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term	: Not classified

(acute) Hazardous to the aquatic environment, long-term : Not classified (chronic)

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Not rapidly degradable

dimethyl ether (115-10-6)			
LC50 - Fish [1]	> 4100 mg/l (NEN 6504: Water - Determination of toxicity with Poecilia reticulata, 96 h, Poecilia reticulata, Semi-static system, Fresh water, Experimental value, Lethal)		
EC50 - Crustacea [1]	> 4400 mg/l (NEN 6501: Water - Determination of toxicity with Daphnia magna, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal)		
EC50 96h - Algae [1]	154,9 mg/l (ECOSAR v1.00, Algae, QSAR)		
propane (74-98-6)			
LC50 - Fish [1]	49,9 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value)		
EC50 96h - Algae [1]	11,89 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)		
isobutane (75-28-5)			
LC50 - Fish [1]	27,98 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)		
EC50 96h - Algae [1]	8,57 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)		
polymethylene polyphenyl isocyanate (9016-8	7-9)		
LC50 - Other aquatic organisms [1]	> 1000 mg/l (96 h, Literature study)		
reaction products of phosphoryl trichloride a	nd 2-methyloxirane (1244733-77-4)		
LC50 - Fish [1]	51 mg/l Pimephalis promelas		
EC50 - Crustacea [1]	131 mg/l Daphnia magna		
EC50 72h - Algae [1]	82 mg/l Pseudokirchnerella subcapitata		
NOEC chronic crustacea	32 mg/l		
NOEC chronic algae	13 mg/l		
reaction products of phosphoryl trichloride a	nd 2-methyloxirane (1244733-77-4)		
LC50 - Fish [1]	>100 mg/L (96 hours)		
EC50 - Crustacea [1]	729 mg/l Daphnia magna (21 days)		
EC50 72h - Algae [1]	901 mg/l Desmodesmus subspicatus		
12.2. Persistence and degradability			

dimethyl ether (115-10-6)			
Persistence and degradability not readily degradable in water.			
propane (74-98-6)			
Persistence and degradability	Readily biodegradable in water.		

isobutane (75-28-5)			

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Persistence and degradability	Readily biodegradable in water.			
polymethylene polyphenyl isocyanate (9016-87-9)				
Persistence and degradability	not readily degradable in water.			
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)				
Persistence and degradability	not readily degradable in water.			
Biodegradation	14 % OECD 301E			
12.3. Bioaccumulative potential				
dimethyl ether (115-10-6)				
Partition coefficient n-octanol/water (Log Pow)	0,1 (Experimental value)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).			
propane (74-98-6)				
Partition coefficient n-octanol/water (Log Pow)	1,09 – 2,8 (Experimental value, 20 °C)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).			
isobutane (75-28-5)				
Partition coefficient n-octanol/water (Log Pow)	1,09 – 2,8 (Experimental value, 20 °C)			
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).			
polymethylene polyphenyl isocyanate (9016-8	7-9)			
BCF - Fish [1]	1 (Pisces, Literature study)			
Partition coefficient n-octanol/water (Log Pow)	10,46 (Calculated, KOWWIN)			
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).			
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)				
BCF - Fish [1]	0,8 – 14			
Partition coefficient n-octanol/water (Log Pow)	2,68			
12.4. Mobility in soil				

dimethyl ether (115-10-6)			
Ecology – soil	Not applicable (gas).		
propane (74-98-6)			
Ecology – soil Not applicable (gas).			
isobutane (75-28-5)			
Ecology – soil Not applicable (gas).			
polymethylene polyphenyl isocyanate (9016-87-9)			

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rtition coefficient n-octanol/water (Log Koc) 9,078 – 10,597 (log Koc, SRC PCKOCWIN v2.0, Calculated value)					
Ecology – soil	Product adsorbs onto the soil.				
reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)					
Partition coefficient n-octanol/water (Log Koc) 2,24					
12.5. Results of PBT and vPvB assessment					
Soudafoam Fireblock Gun					
The product does not meet the PBT and vPvB classification criteria					
12.6. Other adverse effects					

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Do not discharge into drains or the environment.
Additional information	: Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
Ecology - waste materials	: Avoid release to the environment.
European List of Waste (LoW) code	: 08 05 01* - waste isocyanates
	16 05 04* - gases in pressure containers (including halons) containing dangerous substances
	15 01 10* - packaging containing residues of or contaminated by dangerous substances

n accordance with ADR / IMD				
ADR	IMDG	IATA ADN		RID
14.1. UN number	· · · · ·		'	
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shippin	g name		•	
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document descr	iption			
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.1

2.1	2.1	2.1	2.1	2.1
4. Packing group			1	

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Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No		
No supplementary information av	ailable		1	1		
14.6. Special precautions for	or user					
Overland transport						
Classification code (ADR)	: 5F					
Special provisions (ADR)	: 190), 327, 344, 625				
Limited quantities (ADR)	: 11					
Excepted quantities (ADR)	: E0					
Packing instructions (ADR)		07, LP200				
Special packing provisions (ADR)) : PP : MP	87, RR6, L2				
		9				
Transport category (ADR)						
		4				
Special provisions for carriage - L and handling (ADR)	_oading, unloading : CV	9, CV12				
Special provisions for carriage - Operation (ADR)						
Tunnel restriction code (ADR)						
Transport by sea						
Special provisions (IMDG)	: 63,	190, 277, 327, 344, 381, 959	9			
Packing instructions (IMDG)	: P2	07, LP200				
Special packing provisions (IMDC	G) : PP	87, L2				
EmS-No. (Fire)	: F-C					
EmS-No. (Spillage)	: S-L	J				
Stowage category (IMDG)		ne				
		/1, SW22				
Segregation (IMDG)	: SG	69				
Air transport PCA Excepted quantities (IATA)	: E0					
,		03				
		kgG				
		3				
		(g				
CAO packing instructions (IATA)		3				
)kg				
		45, A167, A802				
ERG code (IATA)		-				
Inland waterway transport						
Classification code (ADN)						
		: 190, 327, 344, 625				
Limited quantities (ADN) :						
Excepted quantities (ADN) :						
Equipment required (ADN) :		EX, A				
		VE01, VE04				
Number of blue cones/lights (ADI	N) : 1					
Rail transport						
Classification code (RID)	: 5F					
Special provisions (RID)), 327, 344, 625				
Limited quantities (RID)	: 1L					
Excepted quantities (RID)	: E0					
Packing instructions (RID)	: P20	07, LP200				

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Special packing provisions (RID)	:	PP87, RR6, L2
Mixed packing provisions (RID)	:	MP9
Transport category (RID)	:	2
Special provisions for carriage – Packages (RID)	:	W14
Special provisions for carriage - Loading, unloading and handling (RID)	:	CW9, CW12
Colis express (express parcels) (RID)	:	CE2
Hazard identification number (RID)	:	23

14.7. Transport in bulk according to Annex II of Marpol 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. US Federal Regulations **TSCA**

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

	Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPS)
	DEA List I chemicals (precursor chemicals):
	DEA List II Chemicals (essential chemicals):
	SARA 302/304:
	SARA 304 RQ:
-	SARA 311/312:

Classification

Polymethylene polyphenyl isocyanate

ACUTE TOXICITY (any route of exposure) RESPIRATORY OR SKIN SENSITISATION SPECIFIC TARET ORGAN TOXICITY (single exposure) SPECIFIC TARGET ORGAN TOXICITY (repeated exposure) SKIN CORROSION OR IRRITATION SERIOUS EYE DAMAGE OR EYE IRRITATION

no products were found not applicable

not listed not listed not listed

SARA 313

Form R – Reporting requirements polymethylene polyphenyl isocyanate (9016-87-9) polymethylene polyphenyl isocyanate (9016-87-9) **Supplier Notification**

15.1.2. US State Regulations

California

This product does not require a Safe Harbor warning under California Prop. 65

Massachusetts Isobutane

Dimethyl ether Propane

New Jersey

Isobutane Dimethyl ether Propane Triethyl phosphate

Pennsylvania

Isobutane Dimethyl ether Propane Triethyl phosphate 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes:

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.