

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 25/3/2024 Version: 1.0

SealPrem SilAcryl Elastic Acrylic Silicone

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Name/Identifier

SealPrem SilAcryl Elastic Acrylic Silicone

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

Sealant.

1.3. Details of the supplier of the safety data sheet

Premier Sealant Systems Ltd. Mercia Way, Foxhills Industrial Park, Scunthorpe, North Lincolnshire, DN15 8RE Tel. 01724 864 100

1.4. Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only). For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist. In Europe call 112.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to GB CLP Regulation

The product is not classified as hazardous according to GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).



2.2. Label elements

Hazard pictograms Not relevant.

Signal word Not relevant.

Hazard statements

Not relevant.

Precautionary statements

Not relevant.

Supplemental label information

EUH208: Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2Hisothiazol-3-one (3:1). May produce an allergic reaction.

Substances that contribute to the classification Not relevant.

Not relevant.

2.3. Other hazards

Product does not meet PBT/vPvB criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

This product is a mixture of additives and acrylic polymers. In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

	Identification	Chemical name/Classification	
			on
		Di-isononyl-cyclohexane-1,2-dicarboxylate	5 - <10 %
CAS:	166412-78-8	Skin Irrit. 2: H315 - Warning	5 10 /0
		Ethanediol	0.1 - <1 %
CAS:	107-21-1	Acute Tox. 4: H302; STOT RE 2: H373 - Warning	0,1 - 1 //

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information

Not applicable.



4. FIRST AID MEASURES

4.1. Description of first aid measures

General information

In all cases of doubt, or if symptoms persist, seek medical attention and show this SDS. Never give anything by mouth to an unconscious person.

Inhalation:	This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.
Ingestion:	Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.
Skin contact:	This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.
Eye contact:	Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

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

Acute and delayed effects are indicated in sections 2 and 11.

Notes for the doctor

Not applicable.

Specific treatments

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media

Non-applicable.



5.2. Special hazards arising from the substance or mixture

Specific hazards

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

Hazardous combustion products

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3. Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit). Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves).

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2. Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

Methods and material for containment and cleaning up

It is recommended: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.



7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions

A.- General precautions for safe use:

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions:

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene:

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks:

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3).

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in a cool, dry, well-ventilated location. Maximum storage temperature +30°C. Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

Storage class

Not classified.

7.3. Specific end use(s)

Field of application of the product is described in Technical data sheet (TDS).



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace: EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
Ethanediol ⁽¹⁾	WEL (8h)	20 ppm	52 mg/m³
CAS: 107-21-1	WEL (15 min)	40 ppm	104 mg/m ³

DNEL (Workers)

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Di-isononyl-cyclohexane-1,2-dicarboxylate	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 166412-78-8	Dermal	Not relevant	Not relevant	42 mg/kg	Not relevant
EC: 431-890-2	Inhalation	Not relevant	Not relevant	235 mg/kg	Not relevant
Ethanediol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 107-21-1	Dermal	Not relevant	Not relevant	106 mg/kg	Not relevant
EC: 203-473-3	Inhalation	Not relevant	Not relevant	Not relevant	35 mg/m ³

DNEL (General population)

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Di-isononyl-cyclohexane-1,2-dicarboxylate	Oral	Not relevant	Not relevant	2 mg/kg	Not relevant
CAS: 166412-78-8	Dermal	Not relevant	Not relevant	25 mg/kg	Not relevant
EC: 431-890-2	Inhalation	Not relevant	Not relevant	70 mg/m ³	Not relevant
Ethanediol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 107-21-1	Dermal	Not relevant	Not relevant	53 mg/kg	Not relevant
EC: 203-473-3	Inhalation	Not relevant	Not relevant	Not relevant	7 mg/m ³

Predicted No Effect Concentration

Identification					
Di-isononyl-cyclohexane-1,2-dicarboxylate	STP	Not relevant	Fresh water	Not relevant	
CAS: 166412-78-8	Soil	44.7 mg/kg	Marine water	Not relevant	
56 474 000 2	Intermittent	Not relevant	Sediment (Fresh water)	Not relevant	
EC: 431-890-2	Oral	Not relevant	Sediment (Marine water)	Not relevant	
Ethanediol	STP	199.5 mg/L	Fresh water	10 mg/L	
CAS: 107-21-1	Soil	1.53 mg/kg	Marine water	1 mg/L	
EC: 203-473-3	Intermittent	10 mg/L	Sediment (Fresh water)	37 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	3.7 mg/kg	



8.2. Exposure controls

Appropriate engineering controls

Appropriate ventilation is recommended.

Eye/face protection

Not necessary, however, please consider based on the task being performed.

Hand protection

Not necessary, however, please consider based on the task being performed.

Other skin and body protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. Anti-slip work shoes we recommend in accordance with the regulations: EN ISO 20345:2012 y EN 13832-1:2007. Grossly contaminated clothing should be removed and the skin washed with soap and water or a recognised skin cleaner. ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply): V.O.C. density at 20 °C: 1.27 % weight 17.98 kg/m³ (17.98 g/L).



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liqui
Colour	White
Odour	Not a
Odour threshold	Not a
рН	Not a
Melting point	Not a
Initial boiling point and range	339 °
Flash point	Non
Evaporation rate	No ir
Evaporation factor	No ir
Flammability (solid, gas)	No ir
Upper/lower flammability or explosive limits	No ir
Vapour pressure at 20 °C	878 I
Vapour pressure at 50 °C	4647
Vapour density	No ir
Density at 20°C	1420
Relative density	1.442
Bulk density	No ir
Solubility(ies)	No ir
Partition coefficient	No ir
Auto-ignition temperature	343 °
Decomposition Temperature	No ir
Viscosity	No ir
Explosive properties	Not a
Oxidising properties	Not a
VOC	Not a
LEED (2009) VOC	Not a

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9.2. Other information

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10.STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2. Chemical stability

Chemically stable under the indicated conditions of storage, handling and use.



10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with strong acids, alkalis and strong basis.

10.6. Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO), carbon monoxide and other organic compounds.

11.TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available. In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

Acute toxicity (Acute oral toxicity)

Based on available data, the classification criteria are not met, however, it does contain substances classified as dangerous for consumption. For more information see section 3. Corrosivity/Irritability: Based on available data, the classification criteria are not met, however it does contain substances classified as hazardous for this effect. For more information see section 3.

Acute toxicity (Acute dermal toxicity)

Based on available data, the classification criteria are not met, however it does contain substances classified as hazardous for skin contact. For more information see section 3.

Acute toxicity (Acute inhalation toxicity)

Based on available data, the classification criteria are not met as it does not contain substances classified as hazardous for inhalation. For more information see section 3.

Skin Corrosion/Irritation

Based on available data, the classification criteria are not met, however, it does contain substances classified as hazardous for this effect. For more information see section 3.

Serious Eye Damage/Irritation

Based on available data, the classification criteria are not met as it does not contain substances classified as hazardous for this effect. For more information see section 3.



Respiratory or Skin Sensitisation

Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3. Skin: Based on available data, the classification criteria are not met as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.

Germ Cell Mutagenicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Carcinogenicity

Based on available data, the classification criteria are not met as it does not contain substances classified as dangerous with carcinogenic effects. For more information see section 3.

Reproductive Toxicity

Based on available data, the classification criteria are not met as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Specific target organ toxicity (repeated exposure)

Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

Aspiration Hazard

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

11.2. Components influencing toxicology

Specific toxicology information on the substances:

Identification	Acu	Acute toxicity	
Ethanediol	LD50 oral	>5000 mg/kg	
CAS: 107-21-1	LD50 dermal	>3500 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Di-isononyl-cyclohexane-1,2-dicarboxylate	LD50 oral	>5000 mg/kg	
CAS: 166412-78-8	LD50 dermal	>3500 mg/kg	
	LC50 inhalation	>20 mg/l	

Acute Toxicity Estimate (ATE mix):

	Ingredient(s) of unknown toxicity	
Oral	87873.46 mg/kg (Calculation method)	Non-applicable
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.3. Information on other hazards

Not information available.



12.ECOLOGICAL INFORMATION

12.1. Toxicity

Acute toxicity:

Identification		Concentration	Species	Genus
Ethanediol	LC50	53000 mg/L (96 h)	Pimephales promelas	Fish
CAS: 107-21-1	EC50	51000 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	24000 mg/L (168 h)	Selenastrum capricornutum	Algae

12.2. Persistence and degradability

Identification	Degradability		Biodegradability	
Ethanediol	BOD5	0.47 g O2/g	Concentration	100 mg/L
CAS: 107-21-1	COD	1.29 g O2/g	Period	14 days
	BOD5/COD	0.36	% Biodegradable	90 %

12.3. Bioaccumulative potential

lde	Identification Bioaccumulation potentia		
Ethanediol		BCF	10
CAS: 107-21-1		Pow Log	-1.36
		Potential	Low

12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
Ethanediol	Кос	0	Henry	1.327E-1 Pa⋅m³/mol
CAS: 107-21-1	Conclusion	Very High	Dry soil	No
	Surface tension	4.989E-2 N/m (25 °C)	Moist soil	No

12.1. Results of PBT and vPvB assessment

Product does not meet PBT/vPvB criteria.

12.2. Other adverse effects

Not described.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Code	Description	Waste class
08 04 10*	waste adhesives and sealants other than those mentioned in 08 04 09	Non-Hazardous



Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

In accordance with Annex II of UK REACH the provisions related to waste management are stated: UK legislation: The Waste Regulations 2011.

Disposal methods

Dispose of in accordance with local regulations.

13.2. Waste class

Not applicable.

14.TRANSPORT INFORMATION

14.1. Clasification for ROAD and Rail transport (ADR/RID)

Not classified.

14.2. Transport by sea GGVSee/IMDG-Code

Not classified.

14.3. Air Transport ICAO-TI/IATA-DGR

Not classified.

15.REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant

- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant.

The Control of Major Accident Hazards Regulations 2015:

Not relevant.

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc.):

Not relevant.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.



Other legislation

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020. Control of Substances Hazardous to Health Regulations 2002 (as amended) EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

16.OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

GB CLP Regulation:

Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Not relevant.

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Abbreviations and acronyms used in the safety data sheet

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE: Acute Toxicity Estimate. BCF: Bioconcentration Factor. CAS: Chemical Abstracts Service. cATpE: Converted acute toxicity point estimate. DNEL: Derived No Effect Level. EC₅₀: 50% of maximal Effective Concentration.

GHS: Globally Harmonized System.



IATA: International Air Transport Association. IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code). ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). LOAEC: Lowest Observed Adverse Effect Concentration. LOAEL: Lowest Observed Adverse Effect Level. LOEC: Lowest Observed Effect Concentration. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. NOAEC: No Observed Adverse Effect Concentration. NOAEL: No Observed Adverse Effect Level. NOEC: No Observed Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. SVHC: Substances of Very High Concern. vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity Aquatic Chronic = Hazardous to the aquatic environment (chronic) Asp. Tox. = Aspiration hazard Eye Dam. = Serious eye damage Flam. Liq. = Flammable liquid Repr. = Reproductive toxicity Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation STOT RE = Specific target organ toxicity-repeated exposure STOT SE = Specific target organ toxicity-single exposure

Key literature references and sources for data

Source: European Chemicals Agency, http://echa.europa.eu/ SDS from supplier.

Revision comments

Revision date 25/03/2024 Revision 1 Supersedes date Not applicable SDS status Approved.



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