

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.06.2026

Version number 1

Revision: 05.06.2026

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

· 1.1 Product identifier

· **Trade name:** Peri sealing adhesive 4 - Silipox A

· **UFI:** WJD0-20J0-100E-EHKX

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

No further relevant information available.

· **Application of the substance / the mixture** Concrete adhesive

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

PERI Israel
PERI Formwork Engineering Ltd.
1 Rimon St., Lev Ha'aretz Industrial Zone
P.O. Box 456
4810401 Rosh Ha'ayin

· **Informing department:**

טלפון: 9249332 3 972+
פקס: 9249331 3 972+
דוא"ל: info@peri.co.il
כתובת אתר: www.peri.co.il

· 1.4 Emergency telephone number:

Gift-Informationszentrum Nord, Göttingen
Poison Information Center, Göttingen
Tel.: +49 (0)551 19240
(German and English only)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.

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· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



GHS07 GHS09

· Signal word Warning

· Hazard-determining components of labelling:

bis[4-(2,3-epoxypropoxy)phenyl]propane

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl]oxirane

· Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

· Additional information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** Not applicable

· **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Epoxy glycidyl ethers

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Dangerous components:		
CAS: 1675-54-3 EINECS: 216-823-5	bis[4-(2,3-epoxypropoxy)phenyl]propane ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	25 - 50%
EC number: 701-263-0	Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl]oxirane ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1A, H317	≥ 10 - < 25%

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
 - **General information** Instantly remove any clothing contaminated by the product.
 - **After inhalation**
Supply fresh air or oxygen; call for doctor.
In case of unconsciousness bring patient into stable side position for transport.
 - **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
Call a doctor immediately.
Wash contaminated clothing before re-use.
Discard contaminated shoes.
 - **After eye contact**
Keep eye lids open and rinse them with ample amounts of clean running water for at least 15 minutes.
Call a doctor immediately.
 - **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents**
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
 - **5.2 Special hazards arising from the substance or mixture**
Formation of poisonous gases during heating or in fires.
Carbon monoxide and carbon dioxide
 - **5.3 Advice for firefighters**
 - **Protective equipment:**
In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.
 - **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
-

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep people at a distance and stay on the windward side.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
 - **6.2 Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
 - **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.
Dispose of contaminated material as waste according to section 13.
 - **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.
-

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep containers tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
 - **Information about protection against explosions and fires:** No special measures required.
 - **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:**
Store in cool location.
Recommended storage temperature: 10°C to 30°C.
Store only in the original container.
 - **Information about storage in one common storage facility:**
Store away from oxidising agents.
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Store away from foodstuffs.

· **Further information about storage conditions:** Store container in a well ventilated position.

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Additional information about design of technical systems:**

Care for good ventilation, i.e. by local exhaust or general exhaust ventilation. If this is not sufficient to keep the concentration of solvent vapours below workplace threshold values an appropriate protective breathing apparatus shall be worn.

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

Oral	DNEL (consumer, long-term, systemic)	0,5 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	0,75 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	0,0893 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	4,93 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	0,87 mg/m ³ (human)

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl]oxirane

Oral	DNEL (consumer, short-term, systemic)	6,25 mg/kg bw/day (human)
Dermal	DNEL (worker, short-term, systemic)	104,15 mg/kg bw/day (human)
	DNEL (consumer, short-term, systemic)	62,5 mg/kg bw/day (human)
	DNEL (worker, short-term, local)	0,0084 mg/cm ² (human)
Inhalative	DNEL (worker, short-term, systemic)	29,39 mg/m ³ (human)
	DNEL (consumer, short-term, systemic)	8,7 mg/m ³ (human)

· **PNECs**

CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

PNEC aqua (fresh water)	0,006 mg/L (.)
PNEC Water (marine water)	0,001 mg/L (.)
PNEC STP - Sewage Treatment Plant	10 mg/L (.)
PNEC soil	0,065 mg/kg soil dw (.)
PNEC sediment (fresh water)	0,341 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0,034 mg/kg sedim. dw (.)

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PNEC oral	11 mg/kg food (.)
Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl]oxirane	
PNEC aqua (fresh water)	0,003 mg/L
PNEC Water (marine water)	0,0003 mg/L
PNEC STP - Sewage Treatment Plant	10 mg/L
PNEC soil	0,237 mg/kg soil dw
PNEC sediment (fresh water)	0,294 mg/kg sedim. dw
PNEC sediment (marine water)	0,029 mg/kg sedim. dw
PNEC Water (sporadic release)	0,025 mg/L

· **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment**

· **General protective and hygienic measures**

- Keep away from foodstuffs, beverages and food.
- Take off all contaminated clothing immediately.
- Wash hands during breaks and at the end of the work.
- Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
Filter A/P2.

· **Protection of hands:**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact gloves made of the following materials are suitable:**

Fluorocarbon rubber (Viton)

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In case of a layer thickness of 0,4 mm the penetration time is longer than 30 minutes.

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Butyl rubber, BR

Nitrile rubber, NBR

- **Eye protection:**



Tightly sealed safety glasses.

- **Body protection:**



Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:

Pasty

· Colour:

Pigmented

· Odour:

Weak

· pH-value:

Not determined

· Change in condition

· Melting point/freezing point:

Not determined

· Initial boiling point and boiling range:

Not determined

· Flash point:

> 93 °C

· Auto-ignition temperature:

Product is not selfigniting.

· Self-inflammability:

Product is not selfigniting.

· Explosive properties:

Product is not explosive.

· Critical values for explosion:

· Lower:

Not determined

· Upper:

Not determined

· Vapour pressure:

Not determined

· Density at 20 °C

1,77 g/cm³ (ISO 2811-1)

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· Solubility in / Miscibility with	
· Water:	Not determined
· Partition coefficient: n-octanol/water:	Not determined
· Viscosity:	
· dynamic at 20 °C:	300300 - 450400 mPas (ISO 3219)
· kinematic:	Not determined
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
 - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
 - Organic decomposition products
 - Carbon monoxide and carbon dioxide
 - Phenol

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:		
CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane		
Oral	LD50	> 2.000 mg/kg (Rat)
Dermal	LD50	> 2.000 mg/kg (Rat)

- **Primary irritant effect:**
 - **Skin corrosion/irritation**
 - Causes skin irritation.
 - **Serious eye damage/irritation**
 - Causes serious eye irritation.
 - **Respiratory or skin sensitisation**
 - May cause an allergic skin reaction.

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· Additional toxicological information:

· Repeated dose toxicity

Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl]oxirane

Oral	NOAEL (28d)	250 mg/kg bw/day (Rat)
Inhalative	NOAEC (2y)	440,79 mg/m ³ (Rat)

· CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

EC50 (static)	1,7 mg/l/48h (Daphnia magna) (OECD 202)
LC50 (static)	1,75 mg/l/96h (Oncorhynchus mykiss) (OECD 203)
EC50	9,4 mg/l/72h (Selenastrum capricornutum)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
 - **Remark:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Additional ecological information:**
 - **General notes:**
 - Do not allow product to reach ground water, water bodies or sewage system.
 - Danger to drinking water if even small quantities leak into soil.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
The waste code numbers mentioned are recommendations based on the probable use of the product.

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP4	Irritant - skin irritation and eye damage
HP13	Sensitising
HP14	Ecotoxic

· Uncleaned packagings:

· Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.
Non contaminated packagings can be used for recycling.
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

SECTION 14: Transport information

· 14.1 UN-Number	
· ADR/RID, IMDG, IATA	UN3082
· 14.2 UN proper shipping name	
· ADR/RID, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
· IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., MARINE POLLUTANT

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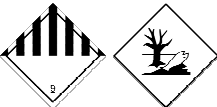
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· 14.3 Transport hazard class(es) · ADR/RID 	
· Class · Label	9 (M6) Miscellaneous dangerous substances and articles. 9
· IMDG, IATA 	
· Class · Label	9 Miscellaneous dangerous substances and articles. 9
· 14.4 Packing group · ADR/RID, IMDG, IATA	
	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR/RID): · Special marking (IATA):	
	Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Kemler Number: · EMS Number: · Stowage Category	
	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
	Not applicable
· Transport/Additional information: · Quantity limitations	
	On passenger aircraft/rail: No limit On cargo aircraft only: No limit
· ADR/RID · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category	
	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3

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· Tunnel restriction code	(-)
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9, III

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** E2 Hazardous to the aquatic environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Information about limitation of use:**

- Employment restrictions concerning women of child-bearing age must be observed.
- Employment restrictions concerning young persons must be observed.

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· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2