

Safety Data Sheet according to HPR, Schedule 1

Date of issue 06/05/2026

Version number 1

Revision: 06/05/2026

1 Identification

- **Product identifier**
- **Trade name:** Peri sealing adhesive 4 - Silipox A
- **Other means of identification**
- **Application of the substance / the mixture** Concrete adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
PERI Canada
PERI Formwork Systems, Inc. Canada
45 Nixon Road
Bolton, Ontario
L7E 1K1
- **Information department:**
Telephone: +1 905 951-5400
Fax: +1 905 951-5454
E-Mail: info@peri.ca
URL: www.peri.ca
- **Emergency telephone number:**
Tel.: +1 800 332 1414 (Alberta, NW Territories);
Tel.: +1 866 454 1212 (Saskatchewan);
Tel.: +1 403 944 1414 (Calgary, outside Alberta, VOIP users)
Poison and Drug Information Services
Foothills Medical Centre
1403 29th Street N.W.
T2N 2T9 Calgary

2 Hazard identification

- **Classification of the substance or mixture**



GHS07

Skin Irritation - Category 2 H315 Causes skin irritation.
 Eye damage/irritation – Category 2A H319 Causes serious eye irritation.
 Sensitization - skin – Category 1A H317 May cause an allergic skin reaction.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

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· Hazard pictograms



GHS07

· Signal word Warning

· Hazard-determining components of labeling:

4,4'-Methylene diphenyldiglycidyl ether

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.

· Precautionary statements

P261 Avoid breathing mist/vapors/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.

· Information pertaining to particular dangers for man and environment:

· Classification system:

· HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = 2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

3 Composition/Information on ingredients

· Chemical characterization: Mixtures

· Description: Epoxy glycidyl ethers

· Dangerous components:

CAS: 1675-54-3	4,4'-Methylene diphenyldiglycidyl ether	30 - 40% w/w *
	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	15 - 30% w/w *

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* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing contaminated by the product.

- **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately 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; immediately call for medical help.

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Foam, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

Carbon monoxide and carbon dioxide

- **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.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Keep people at a distance and stay upwind.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

- **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.
Dispose contaminated material as waste according to section 13.

- **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 disposal information.

7 Handling and storage

- **Precautions for safe handling**

Keep receptacles 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.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.
Recommended storage temperature: 10°C to 30°C.
Store only in the original receptacle.

- **Information about storage in one common storage facility:**

Store away from oxidizing agents.
Store away from foodstuffs.

- **Further information about storage conditions:** Store receptacle in a well ventilated area.

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

8 Exposure controls/ Personal protection

- **Control parameters**

- **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.

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

· **Exposure controls**

· **Appropriate engineering controls**

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.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device 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)

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

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· Eye protection:



Tightly sealed goggles

· Body protection:



Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Color:	Pigmented
· Odor:	Weak
· Melting point/Melting range:	Undetermined
· Boiling point/Boiling range:	Undetermined
· Explosion limits:	
· Lower:	Not determined
· Upper:	Not determined
· Flash point:	> 93 °C
· Auto igniting:	Product is not selfigniting.
· SADT	
· pH-value:	Not determined
· Viscosity:	
· Kinematic:	Not determined
· Dynamic at 20 °C:	300300 - 450400 mPas (ISO 3219)
· Solubility in / Miscibility with	
· Water:	Not determined
· Segregation coefficient (n-octanol/water):	Not determined
· Vapor pressure:	Not determined
· Density at 20 °C:	1.77 g/cm³ (ISO 2811-1)
· Particle characteristics	Not applicable

· Other information

· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.

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· Danger of explosion:

Product does not present an explosion hazard.

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:
CAS: 1675-54-3 4,4'-Methylene diphenyldiglycidyl ether

Oral LD50 > 2,000 mg/kg (Rat)

Dermal LD50 > 2,000 mg/kg (Rat)

· Primary irritant effect:

- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.

- **Sensitization:** Sensitization possible through skin contact.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Toxic

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· Carcinogenic categories
· IARC (International Agency for Research on Cancer)

CAS: 1675-54-3 4,4'-Methylene diphenyldiglycidyl ether

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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

CAS: 1675-54-3 4,4'-Methylene diphenyldiglycidyl ether

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)

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

· **Other adverse 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 course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be recycled.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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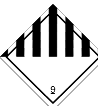
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14 Transport information

· UN-Number · DOT/TDG, ADR, IMDG, IATA	UN3082
· UN proper shipping name · DOT/TDG, ADR · IMDG · IATA	Environmentally hazardous substance, liquid, n.o.s. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
· Transport hazard class(es) · DOT/TDG, IMDG, IATA   · Class · Label	9 Miscellaneous dangerous substances and articles 9
· ADR   · Class · Label	9 (M6) Miscellaneous dangerous substances and articles 9
· Packing group · DOT/TDG, ADR, IMDG, IATA	III
· Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	Yes (DOT) Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
· Transport/Additional information: · DOT/TDG · Quantity limitations	On passenger aircraft/rail: No limit On cargo aircraft only: No limit

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· Remarks:	Special marking with the symbol (fish and tree).
· ADR · Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Miscellaneous dangerous substances and articles 90 F-A,S-F A
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· Section 355 (extremely hazardous substances):		
None of the ingredient is listed.		
· Section 313 (Specific toxic chemical listings):		
None of the ingredients is listed.		
· TSCA (Toxic Substances Control Act):		
CAS: 1675-54-3	4,4'-Methylene diphenyldiglycidyl ether	ACTIVE
· Canadian substance listings:		
· Canadian Domestic Substances List (DSL)		
CAS: 1675-54-3	4,4'-Methylene diphenyldiglycidyl ether	
· Canadian Non-Domestic Substances List (NDSL)		
None of the ingredients is listed.		
· Canadian Ingredient Disclosure list (limit 0.1%)		
None of the ingredients is listed.		
· Canadian Ingredient Disclosure list (limit 1%)		
CAS: 1675-54-3	4,4'-Methylene diphenyldiglycidyl ether	

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· **Per- and polyfluoroalkyl substances (PFAS)**

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.

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation** 06/05/2026

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative