Safety Data Sheet
POLYLOCK LRF ECO PART 2
Safety Data Sheet dated: 02/05/2026 - version 4
Date of first edition: 09/11/2024

1: Identification

Product identifier

Mixture identification:

Trade name: POLYLOCK LRF ECO PART 2

Trade code: 9067099

Recommended use and restrictions on use

Recommended use: Adhesive

Restrictions on use: Not available

Supplier's details

Company: Polyglass U.S.A. Inc.

1111 West Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 866-222-9782

Responsible: RDProductSafety@mapei.com

Emergency phone number

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. Hazard identification

Classification of the product

Gases under pressure (Compressed gas)	Contains gas under pressure; may explode if heated.
Skin Sensitization, Category 1	May cause an allergic skin reaction.
Germ cell mutagenicity, Category 2	Suspected of causing genetic defects if inhaled, in contact with skin and if swallowed.
Reproductive toxicity, Category 1B	May damage fertility or the unborn child if inhaled, in contact with skin and if swallowed.
Specific target organ toxicity following repeated exposure, Category 1	Causes damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.
Chronic (long-term) aquatic hazard - Category 2	Toxic to aquatic life with long lasting effects.

Label elements

Hazard pictograms and Signal Word

Danger

Hazard statements

H280	Contains gas under pressure; may explode if heated.
H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects if inhaled, in contact with skin and if swallowed.
H360	May damage fertility or the unborn child if inhaled, in contact with skin and if swallowed.
H372	Causes damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

P273	Avoid release to the environment.
P280	Wear protective gloves/clothing and eye/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P501	Dispose of contents/container in accordance with applicable regulations.

Other hazards

None

Ingredient(s) with unknown acute toxicity

None

3. Composition/information on ingredients

Substances

Not Relevant

Mixtures

Hazardous components within the meaning of WHMIS 2015 (HPR and its amendments) and related classification:

List of components

Qty	Name	Ident. Numb.	Classification
≥3 - <5 %	diethylene glycol; 2,2'-oxydiethanol	CAS:111-46-6 EC:203-872-2 Index:603-140-00-6	Acute Tox. 4, H302
≥3 - <5 %	dibutyltin bis(lauryl mercaptide); dibutylbis(dodecylthio)stannane	CAS:1185-81-5 EC:214-688-7	Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT RE 1, H372; Aquatic Chronic 1, H410; Skin Sens. 1, H317; Repr. 1B, H360

The actual concentration of the components listed above is withheld as a trade secret.

Declared percentages are expressed in w/w

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose of safely.

If skin irritation or rash occurs: Get medical advice/attention.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

Not available

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not available

Explosive properties: Not available

Oxidizing properties: Not available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Wash skin thoroughly after handling.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature: Not available

8. Exposure controls/personal protection

Control parameters

Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
diethylene glycol; 2,2'-oxydiethanol CAS: 111-46-6	MAK	GERMANY	Long Term: 44 mg/m3 - 10 ppm
	MAK	AUSTRIA	Long Term: 44 mg/m3 - 10 ppm; Short Term: 176 mg/m3 - 40 ppm
	MAK	SWITZERLAND	Long Term: 44 mg/m3 - 10 ppm
dibutyltin bis(lauryl mercaptide); dibutylbis(dodecylthio) stannane CAS: 1185-81-5	MAK	GERMANY	Long Term: 0.02 mg/m3 - 0.004 ppm

OSHA		Long Term: 0.1 mg/m3
ACGIH		Long Term: 0.1 mg/m3; Short Term: 0.2 mg/m3 "A4 - Not Classifiable as a Human Carcinogen" As Tin organic compounds [RR-00042-0];"Skin - potential significant contribution to overall exposure by the cutaneous route" As Tin organic compounds [RR-00042-0];"eye and upper respiratory tract irritation;headache;nausea;CNS and immune effects" As Tin organic compounds [RR-00042-0]
MAK	SWITZERLAND	Long Term: 0.1 mg/m3 - 0.004 ppm
MAK	SWITZERLAND	Long Term: 0.02 mg/m3 - 0.004 ppm
MAK	AUSTRIA	Long Term: 0.1 mg/m3; Short Term: 0.2 mg/m3 - 0.008 ppm
ACGIH		Long Term: 0.1 mg/m3; Short Term: 0.2 mg/m3 "A4 - Not Classifiable as a Human Carcinogen" As Tin organic compounds [RR-00042-0];"eye and upper respiratory tract irritation;headache;nausea;CNS and immune effects" As Tin organic compounds [RR-00042-0];"Skin - potential significant contribution to overall exposure by the cutaneous route" As Tin organic compounds [RR-00042-0]

Predicted No Effect Concentration (PNEC) values

diethylene glycol; 2,2'-oxydiethanol CAS: 111-46-6	Exposure Route: Fresh Water; PNEC Limit: 10 mg/l
	Exposure Route: Marine water; PNEC Limit: 1 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 20.9 mg/kg
	Exposure Route: Soil; PNEC Limit: 1.53 mg/kg
	Exposure Route: Intermittent release; PNEC Limit: 10 mg/l
	Exposure Route: Marine water sediments; PNEC Limit: 2.09 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 199.5 mg/l

Derived No Effect Level (DNEL) values

diethylene glycol; 2,2'-oxydiethanol CAS: 111-46-6	Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Worker Industry: 53 mg/kg; Consumer: 53 mg/kg
	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Industry: 60 mg/m3; Consumer: 12 mg/m3
	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Worker Industry: 60 mg/m3; Consumer: 12 mg/m3

Appropriate engineering controls

Not available

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Gas

Appearance and colour: aerosol colourless

Odour: Sweet
Odour threshold: No data available
Melting point / freezing point: No data available
Initial boiling point and boiling range: No data available
Flammability: N.A.
Upper/lower flammability or explosive limits: No data available
Flash point: 100 °C (212 °F)
Auto-ignition temperature: No data available
Decomposition temperature: No data available
pH: No data available
Viscosity: No data available
Solubility in water: immiscible
Solubility in oil: No data available
Partition coefficient (n-octanol/water): No data available
Vapour pressure: No data available
Evaporation rate: No data available
Relative density: 1.00 g/cm3
Vapour density: No data available

Particle characteristics:

Particle size: No data available

Other information

Explosive properties: No data available
Oxidizing properties: No data available
Solid/gas flammability: No data available
Substance Groups relevant properties: No data available
Miscibility: No data available
Fat Solubility: No data available
Conductivity: No data available

10. Stability and reactivity

Reactivity

Stable under normal conditions

Chemical stability

Data not available.

Possibility of hazardous reactions

None.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	The product is classified: Skin Sensitization, Category 1(H317)
e) germ cell mutagenicity	The product is classified: Germ cell mutagenicity, Category 2(H341)
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	The product is classified: Reproductive toxicity, Category 1B(H360)

h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	The product is classified: Specific target organ toxicity following repeated exposure, Category 1(H372)
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

diethylene glycol; 2,2'-oxydiethanol	a) acute toxicity	LD50 Skin Rabbit > 2000 mg/kg
dibutyltin bis(lauryl mercaptide); dibutylbis(dodecylthio) stannane	a) acute toxicity	LD50 Skin Rabbit 1000 mg/kg

Substance(s) listed on the IARC Monographs:

None

Substance(s) listed as OSHA Carcinogen(s):

None

Substance(s) listed as NIOSH Carcinogen(s):

None

Substance(s) listed on the NTP report on Carcinogens:

None

12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

List of Eco-Toxicological properties of the product

The product is classified: Chronic (long-term) aquatic hazard - Category 2(H411)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
diethylene glycol; 2,2'-oxydiethanol	CAS: 111-46-6 - EINECS: 203-872-2 - INDEX: 603-140-00-6	a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96
		a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 24
		a) Aquatic acute toxicity : EC50 Algae > 100 mg/L - 8 d
		b) Aquatic chronic toxicity : NOEC Fish > 100 mg/L - 7 d
		b) Aquatic chronic toxicity : NOEC Daphnia > 100 mg/L - 7 d
		e) Plant toxicity : EC50 = 11779 mg/kg
		b) Aquatic chronic toxicity : NOEC Algae = 2700 mg/L - 8 d
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 75200 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 84000 mg/L 48h IUCLID
dibutyltin bis(lauryl mercaptide); dibutylbis(dodecylthio)stannane	CAS: 1185-81-5 - EINECS: 214-688-7	a) Aquatic acute toxicity : EC50 Daphnia = 0.11 mg/L 48h
		a) Aquatic acute toxicity : EC50 Algae > 1.6 mg/L 72h

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

13. Disposal considerations

Safe handling and methods for disposal

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. Transport information

UN number

TDG-UN number:

ADR-UN number: 3500

DOT-UN Number: UN3500

IATA-Un number: 3500

IMDG-Un number: 3500

UN proper shipping name

TDG-Shipping Name:

ADR-Shipping Name: CHEMICAL UNDER PRESSURE, N.O.S. (carbon dioxide)

DOT-Proper Shipping Name: Chemical under pressure, n.o.s (carbon dioxide)

IATA-Technical name: CHEMICAL UNDER PRESSURE, N.O.S. (carbon dioxide)

IMDG-Technical name: CHEMICAL UNDER PRESSURE, N.O.S. (carbon dioxide)

Transport hazard class(es)

TDG-Class:

ADR-Class: 2

DOT-Hazard Class: 2.2

IATA-Class: 2.2

IMDG-Class: 2.2

Packing group

TDG-Packing Group:

ADR-Packing Group: -

DOT Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

Environmental hazards

Marine pollutant: Yes

Environmental Pollutant: Not Applicable

DOT-RQ: No

Not Applicable

Special precautions in connection with transport or conveyance

TDG:

TDG Special provisions: 16, 130

Department of Transportation (DOT):

DOT-Special Provision(s): 362, T50, TP40

DOT-Label(s): 2.2

DOT-Symbol: N/A
DOT-Cargo Aircraft: 150 kg
DOT-Passenger Aircraft: 75 kg
DOT-Bulk: 313, 315
DOT-Non-Bulk: 335
DOT-Limited Quantity threshold: 0

Road and Rail (ADR-RID) :

ADR-Label: 2.2
ADR-Hazard identification number: 20
ADR-Transport category (Tunnel restriction code): 3 (C/E)

Air (IATA) :

IATA-Passenger Aircraft: 218
IATA-Cargo Aircraft: 218
IATA-Label: 2.2
IATA-Subsidiary hazards: -
IATA-Erg: 2L
IATA-Special Provisioning: A187

Sea (IMDG) :

IMDG-Stowage and handling: Category B
IMDG-Segregation: -
IMDG-Subsidiary hazards: -
IMDG-Special Provisioning: 274 362
IMDG-EMS: F-C, S-V

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15. Regulatory information

Canada - Federal regulations

This Safety Data Sheet has been prepared according to the WHMIS Hazardous Products Regulations (SOR/2015-17 as amended by SOR/2022-272).

DSL - Domestic Substances List

All the substances are listed in the DSL.

NDSL - Non Domestic Substances List

This product complies with NDSL inventory

NPRI - National Pollutant Release Inventory

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

USA - Federal regulations

TSCA - Toxic Substances Control Act

All the components are listed on the TSCA inventory

TSCA listed substances:

diethylene glycol; 2,2'-oxydiethanol	is listed in TSCA	Section 8b Section 5
dibutyltin bis(lauryl mercaptide); dibutylbis(dodecylthio)stannane	is listed in TSCA	Section 8b Section 5

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

No substances listed

Section 313 - Toxic chemical list:

No substances listed

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

No substances listed

CAA - Clean Air Act

CAA listed substances:

diethylene glycol; 2,2'-oxydiethanol	is listed in CAA	Section 112(b) - HON

CWA - Clean Water Act

CWA listed substances:

No substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

No substances listed

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

diethylene glycol; 2,2'-oxydiethanol

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No substances listed

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16. Other information

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Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Code	Description
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
A.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
A.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
A.2/2	Skin Irrit. 2	Skin irritation, Category 2
A.4.2/1	Skin Sens. 1	Skin Sensitization, Category 1
A.7/1B	Repr. 1B	Reproductive toxicity, Category 1B
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1
CAN-HAE/C1	Aquatic Chronic 1	Chronic (long-term) aquatic hazard - Category 1

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances.
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany.
LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.
KSt: Explosion coefficient.

Paragraphs modified from the previous revision:

- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 12. ECOLOGICAL INFORMATION
- 16. OTHER INFORMATION