

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 03.05.2026

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PoloPlaz Express Elite Guard 2K Waterbourne Gym Finish Part A

SECTION 1: Identification

Product Identifier

Product Name: PoloPlaz Express Elite Guard 2K Waterbourne Gym Finish
Part A



Recommended Use of the Product and Restriction on Use

Relevant Identified Uses: Not determined or not applicable.

Uses Advised Against: Not determined or not applicable.

Reasons Why Uses Advised Against: Not determined or not applicable.

Manufacturer or Supplier Details

Manufacturer:

United States

Canlak Coatings

1999 Elizabeth Street

North Brunswick, New Jersey 089026316

(732)821-3200

<https://canlakcoatings.com>

Emergency Telephone Number:

United States

CHEMTREC

(703)527-3887 (24 HRS)

(800)424-9300

SECTION 2: Hazard(s) Identification

GHS Classification:

Skin corrosion, category 1A

Serious eye damage, category 1

Skin sensitization, category 1

Label elements

Hazard Pictograms:



Signal Word: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H317 May cause an allergic skin reaction

Precautionary Statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P363 Wash contaminated clothing before reuse

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P310 Immediately call a POISON CENTER/doctor/...

P321 Specific treatment (see ... on this label)

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

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P405 Store locked up

P501 Dispose of contents/container to...

Hazards Not Otherwise Classified: None

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 7732-18-5	Water	<112.5
CAS Number: 25085-99-8	2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	<15
CAS Number: 34590-94-8	(2-Methoxymethylethoxy)propanol	<5
CAS Number: 107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	<5
CAS Number: 108-32-7	Propylene carbonate	<1
CAS Number: 29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	<1
CAS Number: 1589-47-5	2-Methoxypropan-1-ol	<0.015
CAS Number: N/A	Polyether	<0.0009
CAS Number: N/A	Polyether modified siloxane	<0.0009
CAS Number: 75-21-8	Ethylene oxide	<0.0009

Additional Information: None

SECTION 4: First Aid Measures

Description of First Aid Measures

General Notes:

Show this Safety Data Sheet to the doctor in attendance.

After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at

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rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

After Skin Contact:

Treatment is urgent. Seek emergency medical treatment. Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse.

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After Eye Contact:

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist.

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After Swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Acute Symptoms and Effects:

Exposure to skin may result in redness, pain, burning, inflammation and tissue damage. Exposure to eyes may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision. Exposure via inhalation may result in cough, sore throat, burning sensation and shortness of breath. Exposure via ingestion may result in burns of the mouth and throat, abdominal pain, burning sensation in the throat and chest, nausea, vomiting, shock or collapse.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision.

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

Delayed Symptoms and Effects:

Effects are dependent on exposure (dose, concentration, contact time).

Immediate Medical Attention and Special Treatment

Specific Treatment:

In case of eye contact, seek prompt medical attention while rinsing is continued.

In case of skin contact, seek prompt medical attention while rinsing is continued.

In case of ingestion, seek prompt medical attention.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting Measures

Extinguishing Media

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Suitable Extinguishing Media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable Extinguishing Media:

Do not use water jet.

Specific Hazards During Fire-Fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special Protective Equipment for Firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to Other Sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and Storage

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Prevent skin contact. Do not get in eyes. Use only with adequate ventilation. Do not add water to the corrosive product. If it is necessary to mix a corrosive product with water, do so slowly adding the corrosive to cold water, in small amounts, and stir frequently. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use. Keep only in original packaging. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do not get in eyes. Avoid contact with skin and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for Safe Storage, Including Any Incompatibilities:

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Store in cool, dry, well-ventilated location out of direct sunlight and away from exit paths. Store in a corrosion-resistant container with a resistant inner liner. Inspect containers and storage area regularly for signs of leak and damage. Store containers at a convenient height for handling, below eye level if possible. High shelving increases the risk of dropping containers, personal injury and exposure. Ensure that appropriate fire fighting and spill-clean up equipment is readily available. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Store separately. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	(2-Methoxymethylethoxy)propanol	34590-94-8	TLV-TWA: 50 ppm (8 hr)
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	8-Hour TWA: 50 ppm
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	15-Minute STEL: 100 ppm
	Ethylene oxide	75-21-8	8-Hour TWA: 1 ppm
OSHA	(2-Methoxymethylethoxy)propanol	34590-94-8	TWA: 600 mg/m ³ ([100 ppm])
	(2-Methoxymethylethoxy)propanol	34590-94-8	STEL: 900 mg/m ³ ([150 ppm])
	Ethylene oxide	75-21-8	8-Hour TWA: 1 ppm
NIOSH	(2-Methoxymethylethoxy)propanol	34590-94-8	IDLH: 600 ppm
	(2-Methoxymethylethoxy)propanol	34590-94-8	STEL: 900 mg/m ³ ([150 ppm])
	(2-Methoxymethylethoxy)propanol	34590-94-8	REL-TWA: 600 mg/m ³ (100 ppm [up to 10 hr])
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	REL-TWA: 360 mg/m ³ (100 ppm [up to 10 hr])
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	15-Minute STEL: 540 mg/m ³ (150 ppm)
	Ethylene oxide	75-21-8	8-Hour TWA: 0.1 ppm (0.18 mg/m ³)
	Ethylene oxide	75-21-8	IDLH: 800 ppm
	Ethylene oxide	75-21-8	Ceiling Limit: 5 ppm (9 mg/m ³)
United States(California)	(2-Methoxymethylethoxy)propanol	34590-94-8	15-Minute STEL: 900 mg/m ³ ([150 ppm])
	(2-Methoxymethylethoxy)propanol	34590-94-8	8-Hour TWA-PEL: 600 mg/m ³ ([100 ppm])
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	8-Hour TWA-PEL: 360 mg/m ³ (100 ppm)
	1-methoxy-2-propanol monopropylene glycol methyl ether	107-98-2	15-Minute STEL: 540 mg/m ³ (150 ppm)
	Ethylene oxide	75-21-8	15-Minute STEL: 5 ppm

Biological Limit Values:

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Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
ACGIH	Ethylene oxide	75-21-8	S-(2-Hydroxyethyl)mercapturic acid (HEMA)	creatinine urine	End of Shift	5 µg/g

Information on Monitoring Procedures:

Not determined or not applicable.

Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal Protection Equipment

Eye and Face Protection:

Use safety glasses with side shields or goggles. Consider the use of a face shield for splash protection. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent). Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Full body protection should be worn. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General Hygienic Measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Not determined or not available.
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Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

SECTION 10: Stability and Reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical Stability:

Stable under recommended handling and storage conditions.

Possibility of Hazardous Reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to Avoid:

Avoid generation of aerosols and mists, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:

None known.

Hazardous Decomposition Products:

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

SECTION 11: Toxicological Information

Acute Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

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Name	Route	Result
Propylene carbonate	oral	LD50 Rat: >5000 mg/kg
	dermal	LD50 Rabbit: >2000 mg/kg
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	oral	LD50 Rat: >2000 mg/kg
(2-Methoxymethylethoxy)propanol	oral	LD50 Rat: > 5000 mg/kg
	dermal	LD50 Rabbit: 9510 mg/kg
2-Methoxypropan-1-ol	oral	LD50 Rat: 5710 mg/kg
	dermal	LD50 Rabbit: 5660 mg/kg
1-methoxy-2-propanol monopropylene glycol methyl ether	oral	LD50 Rat: 3739 mg/kg
	dermal	LD50 Rat: > 2000 mg/kg
	inhalation	LC50 Rat: >7000 ppmV (6 hr [vapor])
Ethylene oxide	inhalation	LC50 Rat: 660 ppmV (4 hr [Gas])
	oral	LD50 Rat: 270 mg/kg
1-(2-butoxy-1-methylethoxy)propan-2-ol	dermal	LD50 Rat: >2000 mg/kg
	oral	LD50 Rat: 3700 mg/kg
	inhalation	LC50 Rat: 42.05 mg/L (4 hr [vapor])

Skin Corrosion/Irritation

Assessment:

Causes severe skin burns and eye damage.

Product Data:

No data available.

Substance Data:

Name	Result
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Causes skin irritation.
2-Methoxypropan-1-ol	Causes skin irritation.
Ethylene oxide	Causes severe skin burns.

Serious Eye Damage/Irritation

Assessment:

Causes serious eye damage.

Product Data:

No data available.

Substance Data:

Name	Result
Propylene carbonate	Causes serious eye irritation.
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Causes serious eye irritation.
2-Methoxypropan-1-ol	Causes serious eye damage.

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Name	Result
Ethylene oxide	Causes serious eye damage

Respiratory or Skin Sensitization

Assessment:

May cause an allergic skin reaction.

Product Data:

No data available.

Substance Data:

Name	Result
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	May cause an allergic skin reaction.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Species	Result
Ethylene oxide		May cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Water	Not Applicable
Propylene carbonate	Not Applicable
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Not Applicable
(2-Methoxymethylethoxy)propanol	Not Applicable
2-Methoxypropan-1-ol	Not Applicable
1-methoxy-2-propanol monopropylene glycol methyl ether	Not Applicable
Ethylene oxide	Group 1
1-(2-butoxy-1-methylethoxy)propan-2-ol	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Water	Not Applicable
Propylene carbonate	Not Applicable
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Not Applicable

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Name	Classification
(2-Methoxymethylethoxy)propanol	Not Applicable
2-Methoxypropan-1-ol	Not Applicable
1-methoxy-2-propanol monopropylene glycol methyl ether	Not Applicable
Ethylene oxide	Known to be human carcinogens
1-(2-butoxy-1-methylethoxy)propan-2-ol	Not Applicable

OSHA Carcinogens:

Ingredient Name	CAS	OSHA Carcinogens Status
Ethylene oxide	75-21-8	Yes

Germ Cell Mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
Ethylene oxide	May cause genetic defects.

Reproductive Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
2-Methoxypropan-1-ol	May damage the unborn child.
Ethylene oxide	May damage fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure)

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data:

Name	Result
2-Methoxypropan-1-ol	May cause respiratory irritation.
1-methoxy-2-propanol monopropylene glycol methyl ether	May cause drowsiness or dizziness.
Ethylene oxide	May cause respiratory irritation.
	May cause drowsiness or dizziness.

Specific Target Organ Toxicity (Repeated Exposure)

Assessment: Based on available data, the classification criteria are not met.

Product Data:

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No data available.

Substance Data:

Name	Result
Ethylene oxide	Cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data:

No data available.

Substance Data: No data available.

Information on Likely Routes of Exposure:

No data available.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

Other Information:

No data available.

SECTION 12: Ecological Information

Acute (Short-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
Propylene carbonate	Aquatic Invertebrates EC50 Daphnia magna: >1000 mg/L (48 hr [immobilization])
	Aquatic Plants EC50 Desmodesmus subspicatus: >900 mg/L (72 hr [growth rate, biomass])
	Fish LC50 Cyprinus carpio: >1000 mg/L (96 hr [mortality])
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Aquatic Invertebrates EC50 Daphnia magna: 1.1 - 2.8 mg/L (48 hr [mobility] [read-across substance])
	Aquatic Plants EC50 Scenedesmus capricornutum: 9 mg/L (48 hr [biomass] [read-across substance])
(2-Methoxymethylethoxy)propanol	Aquatic Plants EC50 Freshwater green algae: > 969 mg/L (72 hr [biomass])
	Fish LC50 Poecilia reticulata: >1000 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 1919 mg/L (48 hr [mortality])
2-Methoxypropan-1-ol	Aquatic Invertebrates EC50 Daphnia magna: 17.59 mg/L (48 hr [QSAR])
1-methoxy-2-propanol monopropylene glycol methyl ether	Fish LC50 Oncorhynchus mykiss: >= 1000 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: > 500 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Skeletonema costatum: 6745 mg/L (72 hr [growth rate])
Ethylene oxide	Aquatic Plants EC50 Raphidocelis subcapitata: 240 mg/L (96 hr [growth rate, Read-across substance data])
	Aquatic Invertebrates EC50 Daphnia magna: 350 mg/L (48 hr [mobility, Read-across substance data])
	Fish LC50 Oncorhynchus mykiss: 52 mg/L (96 hr [Read-across substance data])

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Name	Result
1-(2-butoxy-1-methylethoxy)propan-2-ol	Fish LC50 <i>Poecilia reticulata</i> : 841 mg/L (96 hr)
	Aquatic Invertebrates EC50 <i>Daphnia magna</i> : >100 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Algae: 519 mg/L (96 hr [growth rate; QSAR])

Chronic (Long-Term) Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product Data: No data available.

Substance Data:

Name	Result
(2-Methoxymethylethoxy)propanol	Aquatic Invertebrates NOEC <i>Daphnia magna</i> : >=0.5 mg/L (22 d [reproduction])

Persistence and Degradability

Product Data: No data available.

Substance Data:

Name	Result
Propylene carbonate	The substance is readily biodegradable. 87.7% degradation in water, measured by CO ₂ evolution, after 29 days.
2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	The substance is not readily biodegradable. 5% degradation measured by O ₂ consumption, after 28 days.
(2-Methoxymethylethoxy)propanol	The substance is readily biodegradable. 96% degradation in water, measured by DOC removal, after 28 days.
1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is readily biodegradable. 96% degradation in water, measured by DOC removal after 28 days.
Ethylene oxide	The substance is readily biodegradable. 107% degradation in water, measured by O ₂ consumption, after 28 days.
1-(2-butoxy-1-methylethoxy)propan-2-ol	This substance is readily biodegradable in water. 90-100% degradation, measured by DOC removal, after 21 days.

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
Propylene carbonate	The substance is not expected to bioaccumulate (log K _{ow} : <=3).
(2-Methoxymethylethoxy)propanol	The substance is not expected to bioaccumulate (Log K _{ow} : <1).
1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not expected to bioaccumulate (log P _{ow} : < 1 at 20 °C).
Ethylene oxide	The substance is not expected to bioaccumulate (log P _{ow} : -0.3 at 25 °C).
1-(2-butoxy-1-methylethoxy)propan-2-ol	This substance is not expected to bioaccumulate (Log P _{ow} =1.52).

Mobility in Soil

Product Data: No data available.

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Substance Data:

Name	Result
Propylene carbonate	The substance is highly mobile, therefore, adsorption to soil is not expected (log K _{oc} = 0.81 at 20 °C, QSAR substance data).
(2-Methoxymethylethoxy)propanol	The substance is highly mobile, therefore, adsorption to soil and sediment is not expected (Log K _{oc} < 1).
1-methoxy-2-propanol monopropylene glycol methyl ether	The endpoint is not applicable because the substance has a low octanol water partition coefficient.
Ethylene oxide	The substance is highly mobile, therefore, adsorption to soil and sediment is not expected (log K _{oc} : 0.51 dimensionless, QSAR substance data).
1-(2-butoxy-1-methylethoxy)propan-2-ol	This substance is highly mobile, therefore adsorption to soil is not expected (log K _{oc} = 0.75; QSAR).

Results of PBT and vPvB assessment

Product Data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance Data:

PBT assessment:

Propylene carbonate	The substance is not PBT.
(2-Methoxymethylethoxy)propanol	The substance is not PBT.
2-Methoxypropan-1-ol	This substance is not PBT.
1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not PBT.
Ethylene oxide	The substance is not PBT.
1-(2-butoxy-1-methylethoxy)propan-2-ol	This substance is not PBT.

vPvB assessment:

Propylene carbonate	The substance is not vPvB.
(2-Methoxymethylethoxy)propanol	The substance is not vPvB.
2-Methoxypropan-1-ol	This substance is not vPvB.
1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not vPvB.
Ethylene oxide	The substance is not vPvB.
1-(2-butoxy-1-methylethoxy)propan-2-ol	This substance is not vPvB.

Other Adverse Effects: No data available.

SECTION 13: Disposal Considerations

Disposal Methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to

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applicable regulatory entities

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport Information

United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Maritime Dangerous Goods (IMDG)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

SECTION 15: Regulatory Information

United States Regulations

Inventory Listing (TSCA):

7732-18-5	Water	Listed - Active
108-32-7	Propylene carbonate	Listed - Active
25085-99-8	2,2'-[(1-Methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane homopolymer	Listed - Active
34590-94-8	(2-Methoxymethylethoxy)propanol	Listed - Active
1589-47-5	2-Methoxypropan-1-ol	Listed - Active
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed - Active

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N/A	Polyether	Not Listed
N/A	Polyether modified siloxane	Listed
75-21-8	Ethylene oxide	Listed - Active
29911-28-2	1-(2-butoxy-1-methylethoxy)propan-2-ol	Listed - Active

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export Notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 Extremely Hazardous Substances:

75-21-8	Ethylene oxide	Listed
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SARA Section 313 Toxic Chemicals:

34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
75-21-8	Ethylene oxide	Listed

CERCLA:

75-21-8	Ethylene oxide	Listed	10 lbs
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RCRA:

107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed	D001
75-21-8	Ethylene oxide	Listed	U115

Section 112(r) of the Clean Air Act (CAA):

75-21-8	Ethylene oxide	Listed
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Massachusetts Right to Know:

34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
75-21-8	Ethylene oxide	Listed

New Jersey Right to Know:

34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
N/A	Polyether	Listed
N/A	Polyether modified siloxane	Listed
75-21-8	Ethylene oxide	Listed

New York Right to Know:

34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
75-21-8	Ethylene oxide	Listed

Pennsylvania Right to Know:

34590-94-8	(2-Methoxymethylethoxy)propanol	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
N/A	Polyether	Listed
N/A	Polyether modified siloxane	Listed
75-21-8	Ethylene oxide	Listed

California Proposition 65:

⚠ WARNING: This product can expose you to Ethylene oxide; which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to

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www.P65Warnings.ca.gov.

Additional information: Not determined.

SECTION 16: Other Information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-0-0

HMIS: 0-0-0

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End of Safety Data Sheet