Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 05.17.2017

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ThermalGuard CC2 ECO - "B" Component

SECTION 1: Identification

Product identifier

Product name: ThermalGuard CC2 ECO - "B" Component

Product code: TGCC2E-B

Recommended use of the product and restriction on use

Relevant identified uses: SPRAY FOAM SYSTEM: INSULATION & THERMAL BARRIER COATING

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
Rhino Linings Corporation
9747 Businesspark Avenue
San Diego, CA 92131
858-450-0441
www.rhinolinings.com

Emergency telephone number:

Canada
CANUTEC
613-996-6666 (24/7)

SECTION 2: Hazard identification

GHS classification:

Acute toxicity (dermal), category 4
Acute toxicity (inhalation), category 4
Acute toxicity (oral), category 4
Specific target organ toxicity - repeated exposure, category 2
Chronic aquatic hazard, category 3

Label elements

Hazard pictograms:

Signal Word: Warning

Hazard statements:

H373 May cause damage to organs through prolonged or repeated exposure.

H302 Harmful if swallowed
H332 Harmful if inhaled
H312 Harmful in contact with skin
H412 Harmful 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 dust, fumes, gas, mist, vapours or spray.
P264 Wash any exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P273 Avoid release to the environment
P301+P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell.
P330 Rinse mouth
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P321 Specific treatment (see Sections 4-8 of this SDS and any supplemental information on the product label).
P361+P364 Take off immediately all contaminated clothing and wash it before reuse
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P314 Get medical advice or attention if you feel unwell.
P501 Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazards not otherwise classified:

None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: Proprietary	Polyether Polyol	50-75
CAS number: 111-46-6	(2-hydroxyethoxy) ethan-2-ol	1-5
CAS number: 940912-28-7	Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis((bis(2-hydroxyethyl)amino)methyl)-4-branched nonylphenol	10-20
CAS number: 34354-45-5	Ethanol, 2,2'-iminobis-, polymer with methyloxirane and oxirane	1-5
CAS number: 13674-84-5	Tris(2-chloro-1-methylethyl) phosphate	5-10
CAS number: 102687-65-0	1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	0.1-2
CAS number: 156-60-5	trans-dichloroethylene	0.1-2

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CAS number: 107-21-1	Ethane-1,2-diol	0.1-1

Additional Information:

Specific chemical identity and/or exact percentage (concentration) of each ingredient may be held as confidential business information (CBI). Any ingredient not disclosed in this section may have been determined not to be hazardous to health or the environment, or it may be present at a level below its disclosure threshold.

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 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:

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:

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 ingestion:

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:

Acute oral exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Acute inhalation exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Acute dermal exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Delayed symptoms and effects:

May cause damage to organs through prolonged or repeated exposure. Effects are dependent on exposure (dose, concentration, contact time).

Symptoms of exposure may be delayed.

Immediate medical attention and special treatment

Specific treatment:
Not determined or not available.
Notes for the doctor:
Treat symptomatically.

SECTION 5: Fire-fighting measures

Extinguishing media

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). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

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). 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:

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). Recommended storage temperature: 16 – 32°C (60 - 90°F)

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
British Columbia	trans-dichloroethylene	156-60-5	TWA: 200 ppm
	Ethane-1,2-diol	107-21-1	8-Hour TWA: 10 mg/m³ (aerosol only)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 20 mg/m³ (aerosol only)
	Ethane-1,2-diol	107-21-1	Ceiling Limit: 100 mg/m³ (aerosol only)
	Ethane-1,2-diol	107-21-1	Ceiling Limit: 50 ppm (vapor)
Manitoba	trans-dichloroethylene	156-60-5	TWA: 200 ppm
	Ethane-1,2-diol	107-21-1	8-Hour TWA: 25 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 50 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 10 mg/m³ (inhalable particulate matter, aerosol only)
Ontario	trans-dichloroethylene	156-60-5	TWA: 200 ppm
	Ethane-1,2-diol	107-21-1	8-Hour TWA: 25 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 50 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 10 mg/m³ (inhalable particulate matter, aerosol only)
Saskatchewan	trans-dichloroethylene	156-60-5	15-Minute Contamination Limit: 250 ppm
	trans-dichloroethylene	156-60-5	8-Hour Contamination Limit: 200 ppm
	Ethane-1,2-diol	107-21-1	Ceiling Limit: 100 mg/m³ (aerosol)
Quebec	Ethane-1,2-diol	107-21-1	Ceiling Limit: 127 mg/m³ ([50 ppm] mist and vapour)
Alberta	Ethane-1,2-diol	107-21-1	Ceiling Limit: 100 mg/m³
New Brunswick	Ethane-1,2-diol	107-21-1	Ceiling Limit: 100 mg/m³ (aerosol only)
Nova Scotia	Ethane-1,2-diol	107-21-1	8-Hour TWA: 25 ppm (vapor fraction)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 50 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 10 mg/m³ (inhalable particulate matter, aerosol only)
Newfoundland and Labrador	Ethane-1,2-diol	107-21-1	8-Hour TWA: 25 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 50 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 10 mg/m³ (inhalable particulate matter, aerosol only)
Prince Edward Island	Ethane-1,2-diol	107-21-1	8-Hour TWA: 25 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 50 ppm (vapor fraction)
	Ethane-1,2-diol	107-21-1	15-Minute STEL: 10 mg/m³ (inhalable particulate matter, aerosol only)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

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:

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. 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 (physical state, color):	Amber Liquid
Odor:	Ammonia-like
Odor threshold:	Not determined or not available.
pH-value:	7-10
Melting/Freezing point:	< - 30°C (<-22°F) becomes highly viscous at low temperatures
Boiling point/range:	Decomposed before boiling
Flash point:	>185°C (365°F)
Evaporation rate:	Negligible
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.
Explosion limit lower:	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:	1.19-1.23 @ 25°C (77°F)
Solubilities:	Not determined or not available.
Partition coefficient (n-octanol/water):	Not determined or not available.
Auto/Self-ignition temperature:	200°C (392°F)
Decomposition temperature:	200°C (392°F)
Dynamic viscosity:	750 - 1300 cP @ 25°C (77°F)
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:
Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials. Unintentional contact with moisture. Avoid mist formation.

Incompatible materials:
Strong oxidizing agents.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Depending on temperature, air supply and presence of other materials. Can include, but are not limited to carbon dioxide, carbon monoxide, alcohols, ethers, ketones, hydrocarbons, polymer fragments.

SECTION 11: Toxicological information

Acute toxicity

Assessment:

Harmful if swallowed.
Harmful if inhaled.
Harmful in contact with skin.

Product data: No data available.

Substance data:

Name	Route	Result
(2-hydroxyethoxy) ethan-2-ol	dermal	LD50 Rabbit: 13,300 mg/kg
	inhalation	LC50 Rat: >4.6 mg/L (4 hr [Aerosol])
	Oral ATE	LD50 Rat: 500 mg/kg (Conversion point corresponding to Hazard Classification)
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis((bis(2-hydroxyethyl)amino)methyl)-4-branched nonylphenol	Oral ATE	LD50 Rat: 500 mg/kg
Tris(2-chloro-1-methylethyl) phosphate	oral	LD50 Rat: 1500 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg
	inhalation	LC50 Rat: >7 mg/L (4 hr [aerosol])
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	inhalation	LC50 Rat: 120000 ppmV (4 hr [Vapour])
trans-dichloroethylene	oral	LD50 Rat: 2122 mg/kg
	dermal	LD50 Rabbit: > 5000 mg/kg
	Inhalation ATE	LC50 Rat: 4500 ppmV (4 hr [gas])
Ethane-1,2-diol	Oral ATE	LD50 Rat: 500 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Ethanol, 2,2'-iminobis-, polymer with methyloxirane and oxirane	Causes skin irritation.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Ethanol, 2,2'-iminobis-, polymer with methyloxirane and oxirane	Causes serious eye irritation.
trans-dichloroethylene	Causes serious eye irritation.

Respiratory or skin sensitization

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

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
(2-hydroxyethoxy) ethan-2-ol	Not Applicable
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis((bis(2-hydroxyethyl)amino)methyl)-4-branched nonylphenol	Not Applicable
Ethanol, 2,2'-iminobis-, polymer with methyloxirane and oxirane	Not Applicable
Tris(2-chloro-1-methylethyl) phosphate	Not Applicable
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	Not Applicable
trans-dichloroethylene	Not Applicable
Ethane-1,2-diol	Not Applicable

National Toxicology Program (NTP):

Name	Classification
(2-hydroxyethoxy) ethan-2-ol	Not Applicable
Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis((bis(2-hydroxyethyl)amino)methyl)-4-branched nonylphenol	Not Applicable
Ethanol, 2,2'-iminobis-, polymer with methyloxirane and oxirane	Not Applicable

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Name	Classification
Tris(2-chloro-1-methylethyl) phosphate	Not Applicable
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	Not Applicable
trans-dichloroethylene	Not Applicable
Ethane-1,2-diol	Not Applicable

Germ cell mutagenicity

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

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

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

Product data:

No data available.

Substance data: No data available.

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
trans-dichloroethylene	May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure)

Assessment:

May cause damage to organs through prolonged or repeated exposure.

Product data:

No data available.

Substance data:

Name	Result
Ethane-1,2-diol	May cause damage to Kidneys through prolonged or repeated oral 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:

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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
(2-hydroxyethoxy) ethan-2-ol	Fish LC50 Pimephales promelas: 75,222 mg/L (96 hr [mortality])
	Aquatic Invertebrates EC50 Daphnia magna: > 100 mg/L (48 hr)
	Aquatic Plants EC50 Freshwater algea: > 6500 - 13000 mg/L (72 hr [growth rate; read-across substance data])
Tris(2-chloro-1-methylethyl) phosphate	Fish LC50 P. promelas: 51 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 131 mg/L (48 hr)
	Aquatic Plants ErC50 P. subcapitata: 82 mg/L (72 hr)
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	Fish LC50 Oncorhynchus mykiss: 38 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 82 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: >215 mg/L (72 hr [growth rate])
trans-dichloroethylene	Fish LC50 Lepomis macrochirus: 135 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 220 mg/L (48 hr [mortality])
	Aquatic Plants EC50 Raphidocelis subcapitata: 36.36 mg/L (72 hr [biomass])
Ethane-1,2-diol	Aquatic Invertebrates EC50 Daphnia magna: > 100 mg/L (48 hr [immobilisation])
	Fish LC50 Pimephales promelas: 53000 mg/L (96 hr)

Chronic (long-term) toxicity

Assessment:

Harmful to aquatic life with long lasting effects.

Product data: No data available.

Substance data:

Name	Result
(2-hydroxyethoxy) ethan-2-ol	Aquatic Plants NOEC Raphidocelis subcapitata: > 100 mg/L (72 hr [growth rate])
	Aquatic Invertebrates NOEC Daphnia magna: 7500 - 15000 mg/L (21 d [growth])
Ethane-1,2-diol	Fish NOEC Menidia peninsulae: > 40 mg/L (28 d [weight and mortality, Read-across substance data])
	Aquatic Invertebrates NOEC Daphnia magna: 7500 - 15000 mg/L (21 d [growth, Read-across substance data])
	Aquatic Plants NOEC Raphidocelis subcapitata: > 100 mg/L (72 hr [growth rate])

Persistence and degradability

Product data: No data available.

Substance data:

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Name	Result
(2-hydroxyethoxy) ethan-2-ol	The substance is readily biodegradable.102 % degradation in water, measured by DOC removal, after 28 days.
Tris(2-chloro-1-methylethyl) phosphate	The substance is not readily biodegradable. 0 - 14% degradation in water after 28 days.
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	The substance is not readily biodegradable. 0% degradation in water, measured by O2 consumption, after 28 days.
Ethane-1,2-diol	The substance is readily biodegradable. 90-100% degradation in water, measured by DOC removal, after 10 days.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
(2-hydroxyethoxy) ethan-2-ol	The substance is not expected to bioaccumulate (log Kow= -1.98 at 25 °C).
Tris(2-chloro-1-methylethyl) phosphate	Bioaccumulation is not expected. BCF (aquatic species): 2.59 dimensionless
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	The substance is not expected to bioaccumulate (log Pow= 2.2 at 25 °C).
Ethane-1,2-diol	The substance is not expected to bioaccumulate (log Pow: -1.36).

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
(2-hydroxyethoxy) ethan-2-ol	Mobility in soil assessment does not need to be conducted due to low octanol water partition coefficient.
Tris(2-chloro-1-methylethyl) phosphate	The substance is moderately mobile in soil with a moderate potential for adsorption to soil and sediment. Koc at 20 °C: 174
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	The substance is moderately mobile and is gaseous at room temperature, therefore has a low potential for adsorption (log Koc=146 at 20°C).
Ethane-1,2-diol	The end point is not applicable because the the substance has a low octanol water partition coefficient and its relevant degradation products decompose rapidly.

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:

(2-hydroxyethoxy) ethan-2-ol	The substance is not PBT.
Tris(2-chloro-1-methylethyl) phosphate	The substance is not PBT.
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	The substance is not PBT.
trans-dichloroethylene	The substance is not PBT.

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Ethane-1,2-diol	The substance is not PBT.

vPvB assessment:

(2-hydroxyethoxy) ethan-2-ol	The substance is not vPvB.
Tris(2-chloro-1-methylethyl) phosphate	The substance is not vPvB.
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	The substance is not vPvB.
trans-dichloroethylene	The substance is not vPvB.
Ethane-1,2-diol	The substance is not vPvB.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

The generation of waste should be avoided or minimized wherever possible. If product becomes a waste, it does not meet criteria of hazardous waste as defined in 40 CFR 261, Subpart C and D. Do not discharge into sewer system. Spill cleanup residues may still be subject to RCRA storage and disposal requirements. Dispose waste in compliance with local, state and federal regulations via licensed waste disposal contractor.

Contaminated packages:

Even after emptying, container may retain residues. Containers should be completely emptied and safely stored until appropriately reconditioned or disposed through licensed contractor in accordance with government regulation. This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

Canadian Transportation of Dangerous Goods (TDG)

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

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UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

Canada regulations

Domestic substances list (DSL):

111-46-6	(2-hydroxyethoxy) ethan-2-ol	Listed
940912-28-7	Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis((bis(2-hydroxyethyl)amino)methyl)-4-branched nonylphenol	Listed
34354-45-5	Ethanol, 2,2'-iminobis-, polymer with methyloxirane and oxirane	Not Listed
13674-84-5	Tris(2-chloro-1-methylethyl) phosphate	Listed
102687-65-0	1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	Listed
156-60-5	trans-dichloroethylene	Listed
107-21-1	Ethane-1,2-diol	Listed

Non-domestic substances list (NDSL):

111-46-6	(2-hydroxyethoxy) ethan-2-ol	Not Listed
940912-28-7	Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis((bis(2-hydroxyethyl)amino)methyl)-4-branched nonylphenol	Not Listed
34354-45-5	Ethanol, 2,2'-iminobis-, polymer with methyloxirane and oxirane	Listed
13674-84-5	Tris(2-chloro-1-methylethyl) phosphate	Not Listed
102687-65-0	1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-	Not Listed
156-60-5	trans-dichloroethylene	Not Listed
107-21-1	Ethane-1,2-diol	Not Listed

Additional information: Not determined.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

The data set forth in this sheet are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Rhino Linings Corporation makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof. Sections 11/12 Disclaimer (Toxicity/Ecotoxicity): This product itself has not been tested. Information given is based on data on the components and the toxicology of similar products. Section 14 (Transport Information): Information provided in Section 14 is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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Revision Notes:

Revision Date	Notes
2017-05-16	
2025-06-26	Internal Review
2025-08-13	Canadian Jurisdiction Request

End of Safety Data Sheet