

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 1 of 19

Revision date: 04.20.2026**WB Epoxy Color Hardener- Part B****SECTION 1: Identification****Product Identifier****Product Name:** WB Epoxy Color Hardener- Part B**Product code:** WBE-CO-B**Recommended Use of the Product and Restriction on Use****Relevant Identified Uses:** EPOXY SYSTEM - Hardener Component**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
1001 Ed Rutherford Road
Greenville, TX 75402
800-422-2603
www.rhinolinings.com

Emergency Telephone Number:**North America**

CHEMTREC
800-424-9300 (24/7)

SECTION 2: Hazard(s) Identification**GHS Classification:**

Acute toxicity (oral), category 4
Acute toxicity (dermal), category 4
Acute toxicity (inhalation), category 4
Skin irritation, category 2
Eye irritation, category 2A
Skin sensitization, category 1
Carcinogenicity, category 1B
Reproductive toxicity, category 2

Label elements**Hazard Pictograms:****Signal Word:** Danger**Hazard statements:**

H302 Harmful if swallowed

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 2 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

H312 Harmful in contact with skin
H332 Harmful if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements:

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P261 Avoid breathing dust, fumes, gas, mist, vapors 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
P272 Contaminated work clothing must not be allowed out of the workplace
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or physician 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
P333+P313 If skin irritation or rash occurs: Get medical advice or attention.
P312 Call a POISON CENTER if you feel unwell.
P308+P313 If exposed or concerned: Get medical advice or attention.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 If eye irritation persists: Get medical advice or attention.
P405 Store locked up
P501 Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazards Not Otherwise Classified:

"Based on composition and dilution with water, the product does not meet GHS criteria for classification as a flammable liquid."

SECTION 3: Composition/Information on Ingredients

Identification	Name	Weight %
CAS Number: 13463-67-7	Titanium Dioxide	30-60
CAS Number: Proprietary	Polyamine Polymer	1-15
CAS Number: 100-51-6	Benzyl Alcohol	1-5
CAS Number: 9046-10-0	Poly(propylene glycol) bis(2-aminopropyl ether)	1-3

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 3 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

CAS Number: 112-57-2	3,6,9-triazaundecamethylenediamine tetraethylenepentamine	1-3
CAS Number: 107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	1-3
CAS Number: 64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	0.1-0.5
CAS Number: 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	0.1-0.5
CAS Number: 77-99-6	Propylidynetrimethanol	0.1-1
CAS Number: 1333-86-4	Bound Carbon Black	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 symptoms develop or persist, 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 gently flowing lukewarm water for 15 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. 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).

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain,

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 4 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

rash, inflammation, itching, burning and dermatitis.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

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).

Delayed Symptoms and Effects:

Exposure may cause cancer. Effects are dependent on exposure (dose, concentration, contact time).

Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Symptoms of exposure may be delayed.

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

Immediate Medical Attention and Special Treatment

Specific Treatment:

Not determined or not applicable.

Notes for the Doctor:

Treat symptomatically.

SECTION 5: Firefighting 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:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 5 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. 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: 10-35°C (50-95°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
ACGIH	Titanium Dioxide	13463-67-7	8-Hour TWA: 2.5 mg/m ³ (finescale particles, respirable particulate matter)
	Titanium Dioxide	13463-67-7	8-Hour TWA: 0.2 mg/m ³ (nanoscale particles, respirable particulate matter)
	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
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA: 5 mg/m ³ (Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction)
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA: 5 mg/m ³ (Oil mist, mineral; inhalable particulate matter)
	Propylidynetrimethanol	77-99-6	8-Hour TWA: 0.5 ppm (inhalable fraction and vapor)
	Bound Carbon Black	1333-86-4	8-Hour TWA: 3 mg/m ³ (inhalable particulate matter)
OSHA	Titanium Dioxide	13463-67-7	8-Hour TWA-PEL: 15 mg/m ³ (total dust)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	PEL: 5 mg/m ³ (OIL MIST (MINERAL))

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 6 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	PEL: 2000 mg/m ³ (PETROLEUM DISTILLATES (NAPHTHA) (RUBBER SOLVENT))
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	PEL: 500 ppm (PETROLEUM DISTILLATES (NAPHTHA) (RUBBER SOLVENT))
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA: 5 mg/m ³ (OIL MIST (MINERAL))
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA: 400 ppm (PETROLEUM DISTILLATES (NAPHTHA) (RUBBER SOLVENT))
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA: 1600 mg/m ³ (PETROLEUM DISTILLATES (NAPHTHA) (RUBBER SOLVENT))
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA-PEL: 5 mg/m ³ (Oil mist, mineral)
	Bound Carbon Black	1333-86-4	8-Hour TWA-PEL: 3.5 mg/m ³
NIOSH	Titanium Dioxide	13463-67-7	REL-TWA: 0.3 mg/m ³ (ultrafine, including engineered nanoscale [up to 10 hr])
	Titanium Dioxide	13463-67-7	IDLH: 5000 mg/m ³
	Titanium Dioxide	13463-67-7	REL-TWA: 2.4 mg/m ³ (fine [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)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	REL: 5 mg/m ³ (Oil mist (mineral) -for up to a 10-hour workday during a 40-hour workweek)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	IDLH: 2500 mg/m ³ (Oil mist (mineral))
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	REL: 350 mg/m ³ (Petroleum distillates (naphtha) -for up to a 10-hour workday during a 40-hour workweek)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	Ceiling Limit: 1800 mg/m ³ (Petroleum distillates (naphtha))
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	IDLH: 1100 ppm (Petroleum distillates (naphtha))
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	REL-TWA: 5 mg/m ³ (Oil mist, mineral [up to 10 hr])
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	IDLH: 2500 mg/m ³ (Oil mist, mineral)
	Bound Carbon Black	1333-86-4	IDLH: 1750 mg/m ³
	Bound Carbon Black	1333-86-4	REL-TWA: 0.1 mg/m ³ (in the presence of polycyclic aromatic hydrocarbons [up to 10 hr])

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 7 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Bound Carbon Black	1333-86-4	REL-TWA: 3.5 mg/m ³ (up to 10 hr)
United States(California)	Titanium Dioxide	13463-67-7	8-Hour TWA-PEL: 10 mg/m ³ (particles not otherwise regulated, total dust)
	Titanium Dioxide	13463-67-7	8-Hour TWA-PEL: 5 mg/m ³ (particles not otherwise regulated, respirable fraction)
	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)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA: 5 mg/m ³ (Oil (mineral) mist, particulate)
	Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	8-Hour TWA: 400 ppm (Rubber solvent (Naphtha))
	Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	8-Hour TWA-PEL: 5 mg/m ³ (Oil mist, mineral, particulate)
	Bound Carbon Black	1333-86-4	8-Hour TWA-PEL: 3.5 mg/m ³
WEEL	Benzyl Alcohol	100-51-6	8-Hour TWA: 44.2 mg/m ³ (10 ppm)
	3,6,9-triazaundecamethylenediamine tetraethylenepentamine	112-57-2	8-Hour TWA: 5 mg/m ³ (1 ppm)

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. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 8 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

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	White Liquid
Odor	Strong
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	1.03 - 1.23
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	400-600
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 confined spaces, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible Materials:

Strong oxidizing agents, alkali metals; nitrous acid and other nitrosating agents, organic (i.e. acetic and

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 9 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

citric acid) and mineral acids, peroxides, sodium hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In fire conditions, depending on temperature, air supply and presence of other materials, decomposition products can include, but are not limited to carbon and nitrogen oxides, nitric acid, ammonia, amines, nitrosamines, formaldehyde, hydrogen cyanide, lower molecular weight organic molecules. Nitrogen oxide can react with water vapors to form corrosive nitric acid.

SECTION 11: Toxicological Information

Acute Toxicity

Assessment:

Harmful if swallowed.

Harmful in contact with skin.

Harmful if inhaled.

Product Data: No data available.

Substance Data:

Name	Route	Result
Titanium Dioxide	oral	LD50 Rat: > 5000 mg/kg
	inhalation	LC50 Rat: 5.09 mg/L (4 hr [aerosol])
	dermal	LD50 Rat: > 2000 mg/kg
Benzyl Alcohol	oral	LD50 Rat: 1230 mg/kg
	inhalation	LC50 Rat: >4.178 mg/L (4 hr [aerosol])
	dermal	LD50 Rabbit: >2000 mg/kg
Poly(propylene glycol) bis(2-aminopropyl ether)	oral	LD50 Rat: 2885.3 mg/kg
	dermal	LD50 Rabbit: 2979.7 mg/kg
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	dermal	LD50 Rabbit: 660 mg/kg
	Oral ATE	LD50 Rat: 500 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])
Distillates (petroleum), hydrotreated heavy naphthenic	oral	LD50 Rat: > 5000 mg/kg
	dermal	LD50 Rabbit: > 5000 mg/kg
	inhalation	LC50 Rat: 2.18 mg/L (4 hr [aerosol])
Distillates (petroleum), solvent-dewaxed heavy paraffinic	oral	LD50 Rat: > 15,000 mg/kg
	inhalation	LC50 Rat: >2.4 mg/L (4 hr [aerosol])
	dermal	LD50 Rabbit: > 5000 mg/kg
Propylidynetrimethanol	oral	LD50 Rat: > 5000 mg/kg
	dermal	LD50 Rabbit: > 10,000 mg/kg
	inhalation	LC50 Rat: > 0.85 mg/L (4 hr [aerosol])
Bound Carbon Black	oral	LD50 Rat: > 2000 mg/kg
	dermal	LD50 Rabbit: > 2000 mg/kg
	inhalation	LC50 Rat: >= 4.6 mg/L (4 hr [dust])

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 10 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Skin Corrosion/Irritation

Assessment:

Causes skin irritation.

Product Data:

No data available.

Substance Data:

Name	Result
Poly(propylene glycol) bis(2-aminopropyl ether)	Causes severe skin burns.
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Causes severe skin burns.

Serious Eye Damage/Irritation

Assessment:

Causes serious eye irritation.

Product Data:

No data available.

Substance Data:

Name	Result
Benzyl Alcohol	Causes serious eye irritation.
Poly(propylene glycol) bis(2-aminopropyl ether)	Causes serious eye damage.
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Causes serious eye damage.

Respiratory or Skin Sensitization

Assessment:

May cause an allergic skin reaction.

Product Data:

No data available.

Substance Data:

Name	Result
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	May cause an allergic skin reaction.
Benzyl Alcohol	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

May cause cancer.

Product Data: No data available.

Substance Data:

Name	Species	Result
Distillates (petroleum), hydrotreated heavy naphthenic		May cause cancer.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 11 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Name	Species	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic		May cause cancer.
Bound Carbon Black	Not applicable.	The carcinogenic classification only applies to airborne, unbound particles of respirable size.

International Agency for Research on Cancer (IARC):

Name	Classification
Titanium Dioxide	Group 2B
Benzyl Alcohol	Not Applicable
Poly(propylene glycol) bis(2-aminopropyl ether)	Not Applicable
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Not Applicable
1-methoxy-2-propanol monopropylene glycol methyl ether	Not Applicable
Distillates (petroleum), hydrotreated heavy naphthenic	Group 3
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Group 1
Propylidynetrimethanol	Not Applicable
Bound Carbon Black	Group 2B

National Toxicology Program (NTP):

Name	Classification
Titanium Dioxide	Not Applicable
Benzyl Alcohol	Not Applicable
Poly(propylene glycol) bis(2-aminopropyl ether)	Not Applicable
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Not Applicable
1-methoxy-2-propanol monopropylene glycol methyl ether	Not Applicable
Distillates (petroleum), hydrotreated heavy naphthenic	Not Applicable
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Known to be human carcinogens
Propylidynetrimethanol	Not Applicable
Bound Carbon Black	Not Applicable

OSHA Carcinogens:

Ingredient Name	CAS	OSHA Carcinogens Status
Titanium Dioxide	13463-67-7	Yes

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 12 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Ingredient Name	CAS	OSHA Carcinogens Status
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	Yes
Bound Carbon Black	1333-86-4	Yes

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:

Suspected of damaging fertility or the unborn child.

Product Data:

No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy naphthenic	Suspected of damaging fertility or the unborn child.
Propylidynetrimethanol	Suspected of damaging 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
1-methoxy-2-propanol monopropylene glycol methyl ether	May cause drowsiness or dizziness.

Specific Target Organ Toxicity (Repeated Exposure)

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

Product Data:

No data available.

Substance Data:

Name	Result
Distillates (petroleum), hydrotreated heavy naphthenic	Causes damage to adrenals, bones through prolonged or repeated dermal exposure [Adrenals, bone marrow, liver, lymph nodes, kidney, stomach and thymus].

Aspiration toxicity

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

Product Data:

No data available.

Substance Data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 13 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Name	Result
Distillates (petroleum), hydrotreated heavy naphthenic	May be fatal if swallowed and enters airways.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	May be fatal if swallowed and enters airways.

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
Titanium Dioxide	Aquatic Invertebrates EC50 Daphnia magna: > 100 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: >100 mg/L (72 hr [growth rate])
	Fish LC50 Pimephales promelas: >1000 mg/L (96 hr)
Benzyl Alcohol	Fish LC50 Pimephales promelas: 460 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 230 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: 770 mg/L (72 hr [growth rate])
Poly(propylene glycol) bis(2-aminopropyl ether)	Aquatic Plants EC50 Pseudokirchneriella subcapitata: 15 mg/L (72 hr [growth rate])
	Aquatic Invertebrates EC50 Daphnia magna: 80 mg/L (48 hr [immobilization])
	Fish LC50 Oncorhynchus mykiss: >15 mg/L (96 hr)
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Fish LC50 Poecilia reticulata: 420 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 24.1 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Pseudokirchneriella subcapitata: 2.1 mg/L (72 hr [growth rate])
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])
Distillates (petroleum), hydrotreated heavy naphthenic	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: > 10,000 mg/L (48 hr [mobility, Read-across substance data])

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 14 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Name	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr [LL50 - mortality])
	Aquatic Invertebrates EC50 Daphnia magna: > 10,000 mg/L (48 hr [EL50 - mobility, Read-across substance data])
	Fish LC50 Oncorhynchus mykiss: >5000 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: >1000 mg/L (48 hr)
Propylidynetrimethanol	Fish LC50 Alburnus alburnus: > 1000 mg/L (96 hr [mortality])
	Aquatic Invertebrates EC50 Daphnia magna: 13,000 mg/L (48 hr [immobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: > 1000 mg/L (72 hr [biomass])
Bound Carbon Black	Fish LC50 Danio rerio: > 1000 mg/L (96 hr)
	Aquatic Plants EC50 Raphidocelis subcapitata: > 100 mg/L (72 hr [growth rate and cell number])
	Aquatic Invertebrates EC50 Daphnia magna: >100 mg/L (48 hr [immobilisation and toxicity])

Chronic (Long-Term) Toxicity

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

Product Data: No data available.

Substance Data:

Name	Result
Titanium Dioxide	Aquatic Invertebrates NOEC Daphnia magna: >= 10 mg/L (21 d [population and growth rate])
	Fish NOEC Freshwater fish: >= 80 mg/L (6 d [time to hatch])
Benzyl Alcohol	Fish NOEC Freshwater fish: 48.897 mg/L (30 d [mortality, QSAR substance data])
	Aquatic Invertebrates NOEC Daphnia magna: 51 mg/L (21 d [reproduction])
Distillates (petroleum), hydrotreated heavy naphthenic	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [reproduction])
	Fish NOEC Oncorhynchus mykiss: ≥ 1000 mg/L (14 d [mortality, QSAR data])
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL - reproduction, Read-across substance data])
	Fish NOEC Oncorhynchus mykiss: >=1000 mg/L (14 d [NOEL-mortality, Read-across substance data])
Propylidynetrimethanol	Aquatic Invertebrates NOEC Daphnia magna: > 1000 mg/L (21 d)
Poly(propylene glycol) bis(2-aminopropyl ether)	Aquatic Plants NOEC Skeletonema costatum: 100 mg/L (72 hr [growth rate])
Bound Carbon Black	Aquatic Invertebrates EC50 Daphnia magna: 4.9 mg/L (16 d [immobilization; QSAR])

Persistence and Degradability

Product Data: No data available.

Substance Data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 15 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Name	Result
Titanium Dioxide	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.
Benzyl Alcohol	The substance is readily biodegradable. 92 - 96% degradation in water, measured by O2 consumption, after 14 days.
Poly(propylene glycol) bis(2-aminopropyl ether)	The substance is not readily biodegradable. 0% degradation in water, measured by CO2 evolution, after 28 days.
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	The substance is not readily biodegradable. 0 % degradation in water, measured by O2 consumption, after 162 days.
Distillates (petroleum), hydrotreated heavy naphthenic	The substance is inherently biodegradable, 31% degradation in water, measured by O2 consumption after 28 days (Read-across data).
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard biodegradability studies are not applicable to petroleum UVCB substances.
Propylidynetrimethanol	The substance is not readily biodegradable. 6% 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.
Bound Carbon Black	Persistence assessment based on biodegradability is not relevant for inorganic compounds such as this substance.

Bioaccumulative Potential

Product Data: No data available.

Substance Data:

Name	Result
Titanium Dioxide	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.
Benzyl Alcohol	The substance is not expected to bioaccumulate (Log Kow : 1.10 at 20 °C and BCF:1.371 L/kg; QSAR substance data).
Poly(propylene glycol) bis(2-aminopropyl ether)	The substance is not expected to bioaccumulate (BCF: 3.16 L/kg, basis, whole body w.w., aquatic specie: fish, QSAR substance data).
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	The substance is not expected to bioaccumulate (log Kow: 1.503).
Distillates (petroleum), hydrotreated heavy naphthenic	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.
Propylidynetrimethanol	The substance is not expected to bioaccumulate (log Pow= -0.47 at 26 °C).
1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not expected to bioaccumulate (log Pow: < 1 at 20 °C).
Bound Carbon Black	Bioaccumulation assessment using a classic BCF assessment is not considered relevant for inorganic compounds such as this substance.

Mobility in Soil

Product Data: No data available.

Substance Data:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 16 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Name	Result
Titanium Dioxide	Mobility in soil assessment based on KOC/Kd values are not relevant for inorganic compounds such as this substance.
Poly(propylene glycol) bis(2-aminopropyl ether)	The substance is mobile, therefore, there is low potential for adsorption to soil and sediment (Koc: 52.1 L/kg, QSAR substance data).
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	The substance has a potential for adsorption to sediment particles and suspended organic matter based on data from analagous substance.
Distillates (petroleum), hydrotreated heavy naphthenic	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.
Propylidynetrimethanol	The substance is highly mobile; therefore, adsorption to soil is not expected (log Koc: 0.176).
1-methoxy-2-propanol monopropylene glycol methyl ether	The endpoint is not applicable because the substance has a low octanol water partition coefficient.
Benzyl Alcohol	The substance is mobile, therefore, there is low potential for adsorption to soil and sediment (Koc: ca 15.7 at 20 °C, QSAR substance data).
Bound Carbon Black	Mobility in soil assessment based on KOC/Kd values are not relevant for inorganic compounds such as this substance.

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:

Titanium Dioxide	PBT assessment does not apply to inorganic compounds such as this substance.
Benzyl Alcohol	The substance is not PBT.
Poly(propylene glycol) bis(2-aminopropyl ether)	The substance is not PBT.
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	The substance is not PBT.
1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not PBT.
Distillates (petroleum), hydrotreated heavy naphthenic	Standard PBT studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard PBT studies are not applicable to petroleum UVCB substances.
Propylidynetrimethanol	The substance is not PBT.
Bound Carbon Black	PBT assessment does not apply to inorganic compounds such as this substance.

vPvB assessment:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 17 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

Titanium Dioxide	vPvB assessment does not apply to inorganic compounds such as this substance.
Benzyl Alcohol	The substance is not vPvB.
Poly(propylene glycol) bis(2-aminopropyl ether)	The substance is not vPvB.
3,6,9-triazaundecamethylenediamine tetraethylenepentamine	The substance is not vPvB.
1-methoxy-2-propanol monopropylene glycol methyl ether	The substance is not vPvB.
Distillates (petroleum), hydrotreated heavy naphthenic	Standard vBvB studies are not applicable to petroleum UVCB substances.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Standard vBvB studies are not applicable to petroleum UVCB substances.
Propylidynetrimethanol	The substance is not vPvB.
Bound Carbon Black	vPvB assessment does not apply to inorganic compounds such as this substance.

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

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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 18 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

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): All ingredients are listed-active or exempt.

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: None of the ingredients are listed.

SARA Section 313 Toxic Chemicals: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

RCRA:

107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed	D001
----------	--	--------	------

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

13463-67-7	Titanium Dioxide	Listed
100-51-6	Benzyl Alcohol	Listed
112-57-2	3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Listed
1333-86-4	Bound Carbon Black	Listed

New Jersey Right to Know:

13463-67-7	Titanium Dioxide	Listed
112-57-2	3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Listed
1333-86-4	Bound Carbon Black	Listed

New York Right to Know:

13463-67-7	Titanium Dioxide	Listed
100-51-6	Benzyl Alcohol	Listed

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial Preparation Date: 09.21.2011

Page 19 of 19

Revision date: 04.20.2026

WB Epoxy Color Hardener- Part B

112-57-2	3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed

Pennsylvania Right to Know:

13463-67-7	Titanium Dioxide	Listed
100-51-6	Benzyl Alcohol	Listed
112-57-2	3,6,9-triazaundecamethylenediamine tetraethylenepentamine	Listed
107-98-2	1-methoxy-2-propanol monopropylene glycol methyl ether	Listed
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	Listed
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	Listed
1333-86-4	Bound Carbon Black	Listed

California Proposition 65:

 **WARNING:** This product can expose you to Titanium dioxide (airborne, unbound particles of respirable size); which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

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.

NFPA: 2-2-0

HMIS: 2*-2-0

Initial Preparation Date: 09.21.2011

Revision date: 04.20.2026

Revision Notes:

Revision Date	Notes
2011-09-21	Internal Review
2016-02-10	Internal Review
2026-03-20	Internal Review
2026-04-20	Added Water Content Statement

End of Safety Data Sheet