

**PRODUCT NAME(S): Primer 101 Part B**

**SECTION 1 – IDENTIFICATION**

**Manufacturer's Info:**  
Rhino Linings Corporation  
9747 Businesspark Avenue  
San Diego, CA 92131

**Information phone:** (858) 450 0441  
**Emergency contact:** CHEMTREC (800) 424 9300

**Product name:** Primer 101 Part B  
**Chemical Name:** Mixture  
**Chemical Family:** Epoxy Hardener  
**Product Category:** Component of Epoxy Primer  
**Recommended use:** Primer and sealer for wood and concrete

**SECTION 2 – HAZARD(S) IDENTIFICATION**

**OSHA Hazard Communication Standard:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**GHS-Label Elements:** **Signal Word:**  
DANGER

**Pictogram(s):**



**Classification of the substance or mixture:**

Hazard Class	Category	Hazard Statement Codes	Hazard Statements
Acute Toxicity, Oral	4	H302	Harmful if swallowed
Acute Toxicity, Dermal	4	H312	Harmful in contact with skin
Skin corrosion / irritation	1B	H314	Causes severe skin burns and eye damage
Serious eye damage / Eye irritation	1	H318	Causes serious eye damage
Skin Sensitization	1B	H317	May cause an allergic skin reaction
Reproductive toxicity	2	H361	Suspected of damaging fertility or the unborn child
Specific target organ toxicity, repeated exposure	2	H373	May cause damage to endocrine system, liver, respiratory and central nervous system through prolonged or repeated exposure
Aquatic Hazard, Acute	1	H400	Very toxic to aquatic life
Aquatic Hazard, Chronic	1	H410	Very toxic to aquatic life with long lasting effects

**Precautionary Statements:**

<b>Prevention:</b>	P201 P202 P281 P260 P270 P264 P272 P273	Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe mist, vapors, spray. Do not eat, drink, and smoke when using this product. Wash exposed area with plenty of water and soap thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.
<b>Response:</b>	P301 + P330 + P331 P303 + P361 + P353 P305 + P351 + P338 P304 + P340 P310 P333 + P313 P308 + P313 P314 P363 P391	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Wash contaminated clothing before reuse. Collect spillage.
<b>Storage:</b>	P403 + P235 P405	Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal:</b>	P501	Dispose of contents/container to hazardous or special waste collection point in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: Not known.

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

Components	CAS #	EC #	Concentration, %
Nonylphenol	84852-15-3	284-325-5	50 – 75
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	202-013-9	≤ 10
3,6-Diazaoctane-1,8-diamine (Triethylenetetramine)	112-24-3	203-950-6	≤ 10
1,2-Diaminocyclohexane	694-83-7	211-776-7	≤ 2.5

**SECTION 4 – FIRST-AID MEASURES****Description of First Aid measures:**

- Inhalation:** Immediate medical attention required. Call a poison center or physician. Remove exposed person to fresh air and keep at rest in a position comfortable for breathing.  
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed.
- Skin:** Immediate medical attention required. Call a poison center or physician. Chemical burns must be treated promptly by a physician or dermatologist. Wash material off of the skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes immediately and wash them before reuse.
- Eye:** Immediate medical attention required. Call a poison center or physician. Chemical burns must be treated promptly by a physician or ophthalmologist.  
Rinse cautiously with water for several minutes, especially under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Do not rub eyes in order to prevent cornea injury.
- Ingestion:** Immediate medical attention required. Call a poison center or physician. Remove exposed person to fresh air and keep at rest in a position comfortable for breathing. Remove dentures if any.  
If the exposed person is conscious, rinse mouth with water and then give plenty of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Do not induce vomiting unless directed to do so by medical personnel.  
If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

**Most important symptoms/effects, acute and delayed:** See Section 11 for more details.

**General advice for First Aid responders:** No action should be taken involving any personal risk or without suitable training. If potential for exposure exist refer to Section 8 for specific personal protective equipment. Show this SDS to physician.

**Note to physician:** Specific antidotes or neutralizers do not exist. Treatment should be supportive and based on the judgment of the physician in response to the reaction of the patient. Recommended medical monitoring for at least 24 hours.

Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation as needed.

Skin: This product contains component that is a skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn.

Ingestion: Inducing vomiting can be contraindicated because of the irritating nature of the chemical.

**SECTION 5 – FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Water fog or fine spray, alcohol-resistant foam, dry chemical or carbon dioxide fire extinguishers.

**Unsuitable extinguishing media:** Direct water stream may cause frothing, splattering of burning material and spreading of fire.

**Specific hazards arising from the chemical:** Material may be ignited only if preheated to high temperatures (such in fire conditions). Fire in vicinity poses risk of pressure build-up and rupture. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area. Hazardous combustion products: carbon and nitrogen oxides, amines, hydrogen cyanide, lower molecular weight organic molecules.

Note: Contains 1,2-Diaminocyclohexane, CAS #: 694-83-7, ≤ 2.5%: Combustible Liquid, Class IIIA (Flash point: 70°C(158°F) closed cup) per OSHA 29 CFR 1910.106; Flammable Liquid, Category 4 per GHS.

**Special Protective Equipment and Precautions for fire-fighters:** Wear NIOSH or OSHA approved self-contained breathing apparatus in positive pressure mode with full face piece and full protective gear. Isolate the scene by removing all persons from the incident area. No action should be taken involving any personal risk or without suitable training. Spilled product will cause very slippery walking surfaces.

Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Keep unnecessary and unprotected personnel from entering. Ensure adequate ventilation/exhaust extraction. Avoid breathing vapors or mist during clean up. Use protective equipment as described in Section 8. Do not touch or walk through spilled material, spilled material may cause a slipping hazard.

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Inform the relevant authorities if the product has caused environmental pollution. Water polluting material. Harmful to the environment. See Section 12 for more details.

**Methods and materials for containment and cleaning up:** Remove mechanically; cover the remainder with non-combustible absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth). Following absorption, transfer into properly labeled chemical waste containers. If necessary, repeat application of absorbent material until all liquid has been removed from the surface. Wash the spill site with soap and water. Cover container and remove from work to a well-ventilated area. Properly dispose of the waste material and any contaminated equipment (i.e., broom or brush) in accordance with existing federal, state and local regulations. For major spills: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Wash spillages into an effluent treatment plant or contain and collect with an absorbent material as described in the previous paragraph. For minor spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly with soap and water to remove residual contamination. Never return spills to original containers for re-use.

Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste. For major spills, see Section 1 for the Emergency contact; for further disposal measures, see Section 13.

**SECTION 7 – HANDLING AND STORAGE**

**Precautions for safe handling:** Protect chemical from atmospheric moisture. Avoid prolonged exposure to heat and air. Keep away from sources of ignition. Do not reseal if contamination is suspected.

Use adequate ventilation to keep airborne levels below the exposure limits. Do not breathe vapors and mists. Wear respiratory protection if material is heated, mixed, sprayed or used in a confined space. Avoid contact with skin and eyes. Wear appropriate eye and skin protection. Wash hands thoroughly after handling. Hands and/or face should be washed before eating, drinking and smoking and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities:** Store in original or approved alternative container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Protect it against physical damage and moisture. Normal temperature and pressures do not affect the material. Keep liquid away from heat, sparks and flame. Do not cut, drill, grind, weld or perform similar operations on or near containers. Use appropriate containment to avoid environmental contamination. Segregate from acids and acid forming substances.

**Storage stability:** Stable under normal conditions.

**Storage temperature:** 60 - 90°F (16 – 32°C)

Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200. Employees and consumers should be warned of health risks associated with product use. See Section 8 for additional information on hygiene measures.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control Parameters/Occupational exposure limit values:** Not available for mixture. Not available for components.

**Appropriate engineering controls:** Good local and general ventilation should be sufficient to control worker exposure to airborne contaminants below recommended exposure limits. Local exhaust may be required in some areas.

**Personal protective equipment:**

**Eye/face protection:**

When directly handling liquid product, eye protection is required. Examples of eye protection include safety glasses and goggles or full face shield when there is a greater risk of splash. Contact lenses should not be worn when working with chemicals.

**Skin/body protection:**

Avoid contact with skin. Impervious gloves (nitrile butyl rubber, neoprene or PVC) should be worn always when working with this product. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose contaminated gloves after use in accordance with good laboratory practices. Body should be covered with appropriate clothing (apron, arm covers or full body suit) depending on the task being performed and the risks involved. Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH. Wash contaminated clothing before reuse. Store work clothing separately. Appropriate footwear should be also selected based on the task being performed and the risks involved. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

**Respiratory protection:**

Use local or general ventilation to control exposures below applicable exposure limits. When ventilation is inadequate, use either an atmosphere supplying respirator or NIOSH or OSHA approved air-purifying respirator for organic vapors. Respirator must be properly fitted and its selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Additional Protective Measures:** Educate and train employees in safe handling of this product. Follow all label instructions. As a general hygiene practice, wash hands and face after use. Emergency eyewash fountains and safety shower should be in close proximity as a matter of good practice.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Liquid
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point/ freezing point:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available for mixture; 1,2-Diaminocyclohexane CAS #: 694-83-7: 92-93°C (198-199°F) at 24hPa
<b>Flash point:</b>	>93°F
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/ lower flammability or explosive limits:</b>	13% Vol / 1.3% Vol; Product does not present an explosion hazard.
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	0.97 g/cm <sup>3</sup> (8.095 lbs/gal) @ 20°C (68°F)
<b>Solubility (water):</b>	Not miscible
<b>Partition coefficient n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Product is not self-igniting
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

**SECTION 10 – STABILITY AND REACTIVITY**

**Reactivity:** Product will not undergo hazardous polymerization. Corrosion to metals: Not known. Based on its structural properties the product is not classified as oxidizing. Does not form flammable gases in the presence of water.

**Chemical stability:** Stable under recommended storage conditions. Product is hygroscopic; contamination with moisture will negatively affect product performance. Avoid unintended contact with isocyanates; the reaction will generate heat.

**Conditions to avoid:** Unintentional contact with moisture, excessive heat, open flame and sparks. Avoid mist formation.

**Incompatible materials:** Strong oxidizing agents. Water, alcohols, amines, bases, acids, copper, aluminum and zinc alloys.

**Hazardous decomposition products:** Depend upon temperature, air supply and presence of other materials. Can include, but are not limited to carbon and nitrogen oxides, amines, hydrogen cyanide, lower molecular weight organic molecules.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Inhalation, Skin and Eye Contact, Ingestion.

**Symptoms of exposure:**

**Acute toxicity:**

**Oral:** Harmful if swallowed. May cause burns to mouth, throat and stomach. Adverse symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

**Dermal:** Harmful in contact with skin. Adverse symptoms may include pain or irritation, redness, blistering.

**Inhalation:** It may give off-gas, vapor or mist that is very irritating to the respiratory system and lungs. Adverse symptoms may include nausea, headache, and difficulties with breathing.

**Skin corrosion / irritation:**

Corrosive! Damages skin if not removed immediately. Prolonged contact may result in absorption of harmful amounts. A more severe response may be expected if skin is abraded (scratched or cut).

**Serious eye damage / eye irritation:**

May cause serious eye damage. Adverse symptoms may include tearing, redness, swelling, burning and blindness.

**Specific target organ toxicity, single exposure:**

Not expected.

**Aspiration hazard:** Not an aspiration hazard.

**Chronic toxicity:**
**Respiratory and Skin Sensitizer:**

This product contains components that are reported to be a skin or respiratory sensitizer.

- 2,4,6-tris(dimethylaminomethyl) phenol, CAS #: 90-72-2: Skin sensitizer.
- 3,6-Diazaoctane-1,8-diamine CAS #:112-24-3: Skin sensitizer.

**Germ cell mutagenicity:**

Not classified. This product contains a component which cause concern due to possible mutagenic effects, but for which the available information is not adequate for making a satisfactory assessment.

- 3,6-Diazaoctane-1,8-diamine (Triethylenetetramine), CAS #:112-24-3

**Carcinogenicity:**

This product does not contain components known or reported to be carcinogenic by any reference by IARC, NTP, EPA, OSHA, ACGIH.

**Reproductive toxicity:**

This product contains component suspected to be a human reproductive toxicant.

- Nonylphenol, CAS #: 84852-15-3

**Specific target organ toxicity, repeated exposure:**

Endocrine system, liver, respiratory and central nervous system.

**Medical conditions aggravated by overexposure:**

Endocrine system, liver, respiratory and central nervous system disorders if product is handled without adequate protection.

**Toxicity test results:** Not available for mixture. Results for components:

Components	Test Results
Nonylphenol, CAS #: 84852-15-3	<p><b>Acute Toxicity</b>            Oral LD50 (Rat): 1,412 mg/kg            Dermal LD50 (Rabbit): 2,031 mg/kg            Inhalation LC50 (Rat): No data available            Skin corrosion/irritation (Rabbit), 4hrs: Causes burns (OECD Test Guideline 404)            Serious eye damage/eye irritation (Rabbit), 72hrs: Corrosive (OECD Test Guideline 405)            STOT, SE: No data available            Aspiration hazard: No data available</p> <p><b>Chronic Toxicity</b>            Sensitization, skin and respiratory (Guinea pig): Not sensitizing (Guinea pig maximization test) (OECD Test Guideline 406)            Germ cell mutagenicity: Not genotoxic            Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, OSHA and ACGIH.            Reproductive toxicity: The results of animal studies suggest a fertility impairing effect. Rat, Oral / Effects on newborn: growth statistics (e.g., reduced weight gain). Suspected human reproductive toxicant.            STOT, RE: Estrogenic substance and endocrine disruptor. Has hormone-like effects in both wildlife and humans. Acts as an obesity enhancing chemical. Affect insulin signaling in the liver of adult male rats. Central nervous system by skin absorption; Category 2</p>
2,4,6-tris(dimethylaminomethyl) phenol, CAS #: 90-72-2	<p>Extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Adverse effects: Cough, shortness of breath, headache, nausea.</p> <p><b>Acute Toxicity</b>            Oral LD50 (Rat): 2,169 mg/kg (OECD Test Guideline 401)            Dermal LD50 (Rabbit): No data available            Inhalation LC50 (Rat): No data available            Skin corrosion/irritation (Rabbit), 4hrs: Corrosive (OECD Test Guideline 404)            Serious eye damage/eye irritation (Rabbit), 72hrs: Corrosive (OECD Test Guideline 405)            STOT, SE: No data available            Aspiration hazard: No data available</p> <p><b>Chronic Toxicity</b>            Sensitization, skin and respiratory (Guinea pig): Skin sensitizer, sub-category 1B (OECD Test Guideline 406, GPMT)            Germ cell mutagenicity: Ames test: S. typhimurium: negative            Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, OSHA and ACGIH.            Reproductive toxicity: No data available            STOT, RE: No data available            RTECS: SN35000000</p>
3,6-Diazaoctane-1,8-diamine (Triethylenetetramine), CAS #:112-24-3	<p><b>Acute Toxicity</b>            Oral LD50 (Rat): 2,500 mg/kg; May be harmful if swallowed.            Dermal LD50 (Rabbit): 550 mg/kg; Toxic in contact with skin.            Inhalation: Extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Adverse effects: Cough, shortness of breath, headache, nausea.            Skin corrosion/irritation (Rabbit), 24hrs: Causes severe skin burns and eye damage. (OECD Test Guideline 404)            Serious eye damage/eye irritation (Rabbit), 72hrs: Causes serious eye damage. (OECD Test Guideline 405)            STOT, SE: No data available            Aspiration hazard: No data available.</p> <p><b>Chronic Toxicity</b>            Sensitization, skin and respiratory: Skin Sensitizer            Germ cell mutagenicity: In vitro, Bacteria Metabolic activation: Positive; In vivo, Mammalian Animal Cell, Somatic: Negative            Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, OSHA and ACGIH.            Reproductive toxicity: No data available            STOT, RE: Oral, 26weeks: NOAEL: 50 mg/kg/d; Endocrine Disruptor. Animal dietary feeding studies have reported effects on the liver.</p>
1,2-Diaminocyclohexane, CAS #:694-83-7	<p>Extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Adverse effects: Cough, shortness of breath, headache, nausea.</p> <p><b>Acute Toxicity</b></p>

Oral LD50 (Rat): 4,556 mg/kg Adverse effects: Behavioral: drowsiness, tremor.  
 Dermal LD50 (Rabbit): No data available  
 Inhalation LC50 (Rat): No data available  
 Skin corrosion/irritation (Rabbit), 24hrs: Causes skin burns (OECD Test Guideline 404)  
 Serious eye damage/eye irritation (Rabbit): Causes eye burns (OECD Test Guideline 405)  
 STOT, SE: No data available  
 Aspiration hazard: No data available  
Chronic Toxicity  
 Sensitization, skin and respiratory (Guinea pig): No data available  
 Germ cell mutagenicity: No data available  
 Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, OSHA and ACGIH.  
 Reproductive toxicity: No data available  
 STOT, RE: No data available  
 RTECS: GU8749500

### SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Very toxic to aquatic life with long lasting effects. Do not release into natural waters. Presents danger to drinking water if even small quantities leak into the ground.

**Persistence and degradability:** Expected to be biodegradable based on components info.

**Bioaccumulative potential:** Not known.

**Mobility in soil:** Not known.

**Other adverse effects:** Not known.

**Ecotoxicity test results:** Not available for the mixture. Results for components, where available:

Components	Test Results
Nonylphenol, CAS #: 84852-15-3	<u>Aquatic toxicity:</u> An environmental hazard. Very toxic to aquatic life with long lasting effects. <u>Acute Toxicity</u> Fish: LC50 (fathead minnow), 96hrs: 0.209 mg/L Aquatic invertebrates: EC50 (Daphnia magna), 48hrs: 0.0844 mg/L Aquatic plants: EC50 (green algae), 72hrs: 0.33 mg/L <u>Ecological Data</u> Biodegradability (aerobic), 28days: 62% BOD: Readily biodegradable (OECD Test Guideline 301F) Remarks: The 10 day time window criterion is not fulfilled. Bioaccumulative potential (fathead minnow), 28days: Bioconcentration factor (BCF): 740 Mobility in soil: low.
2,4,6-tris(dimethylaminomethyl) phenol CAS #: 90-72-2	<u>Aquatic toxicity:</u> An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. <u>Acute Toxicity</u> Fish: LC50 (Carp), 96hrs: 175 mg/L Aquatic plants: EC50 (green algae), 72hrs: 84 mg/L (OECD Test Guideline 201) <u>Ecological Data</u> Biodegradability (aerobic), 28days: 4% BOD: Not readily biodegradable (OECD Test Guideline 301D) Bioaccumulative potential: No data available. Mobility in soil: No data available.
3,6-Diazaoctane-1,8-diamine (Triethylenetetramine) CAS #:112-24-3	Moderately toxic to aquatic organisms. Biodegradability: Not readily biodegradable, but it does biodegrade slowly in the environment. Therefore, it would not persist in the environment and would be removed by normal wastewater-treatment processes. Bioconcentration potential: low Mobility in soil: very high.




### SECTION 13 – DISPOSAL CONSIDERATIONS




**Product Disposal:** 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 any sewers, on the ground, or into any body of water.** Spill cleanup residues may still be subject to RCRA storage and disposal requirements. All disposal practices must be in compliance with local, state and federal regulations via licensed waste disposal contractor.

**Container disposal:** Even after emptying, container may retain residues. Empty containers should be completely drained and safely stored until appropriately reconditioned or disposed through licensed contractor in accordance with government regulations. This material and its container must be disposed of in a safe way.

### SECTION 14 – TRANSPORT INFORMATION

	Land transport, U.S. DOT	ADR
<b>UN number:</b>	UN 1760	UN 1760
<b>UN proper shipping name:</b>	Corrosive Liquids, n.o.s. (contains Nonylphenol and Triethylenetetramine)	Corrosive Liquids, n.o.s. (contains Nonylphenol and Triethylenetetramine) ENVIROMENTALLY HAZARDOUS
<b>Transport hazard class(es):</b>	8	8
<b>Packing group:</b>	II	II

<b>Hazard Label</b>		 
<b>Environmental Hazard:</b>	Yes, Marine pollutant Product contains environmentally hazardous substances: Nonylphenol	Yes, Marine pollutant Product contains environmentally hazardous substances: Nonylphenol
<b>Special precautions:</b>	Warning: Corrosive substances  Add "Marine Pollutant" to end of proper shipping name if shipping in a bulk container >119 gallons	Warning: Corrosive substances Danger code (Kemler): 80 Excepted quantities (EQ): Code: E2 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 500ml

	<b>Sea transport, IMDG:</b>	<b>Air transport, IATA/ICAO:</b>
<b>UN number:</b>	UN 1760	UN 1760
<b>UN proper shipping name:</b>	Corrosive Liquids, n.o.s. (contains Nonylphenol and Triethylenetetramine) MARINE POLLUTANT	Corrosive Liquids, n.o.s. (contains Nonylphenol and Triethylenetetramine)
<b>Transport hazard class(es):</b>	8	8
<b>Packing group:</b>	II	II
<b>Hazard Label</b>	 	
<b>Environmental Hazard:</b>	Yes, Marine pollutant Product contains environmentally hazardous substances: Nonylphenol	Yes, Marine pollutant Product contains environmentally hazardous substances: Nonylphenol
<b>Special precautions:</b>	Warning: Corrosive substances EMS Number: F-A,S-B Limited quantities (LQ): 1L Excepted quantities (EQ): Code E2 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 500ml	Warning: Corrosive substances

**SECTION 15 – REGULATORY INFORMATION**

**U.S. Regulations:**

**OSHA HCS:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

**TSCA Regulations:**

All components of this product are listed or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**EPCRA Section 302 (40 CFR Part 355)** (Emergency Response Planning, Extremely Hazardous Substance):

No components are subject to the reporting.

**EPCRA Section 304 (40 CFR Part 355)** (Emergency Release Notification Requirements):

No components are subject to the reporting.

**EPCRA Sections 311 & 312** (Hazardous Chemical Inventory Reporting, Hazard Categories):

Acute Health Hazard, Chronic Health Hazard

**EPCRA Section 313 (40 CFR Part 372)** (Toxic Chemical Release Inventory Reporting):

No components are subject to the reporting.

**CERCLA Sections 102-103 (40 CFR Part 302)** (Hazardous Substances Release Notification):

No components are subject to the reporting.

**Clean Air Act:**

- Ozone Depleting Substances (ODS): This product does not contain and is not manufactured with ozone depleting substances.
- Hazardous Air Pollutants, OSHA, Section 112(b), Table Z-1: No component listed.

**Clean Water Act:**

- Section 307(a) (Toxic pollutants): No components are listed.
- Section 311(b)(2): Table 116.4A (Hazardous chemicals) / Table 117.3 (RQ): No components are listed.

**NFPA rating:** Health: 3 Fire: 1 Reactivity: 2 Special: -

**HMIS rating:** Health: 3\* Flammability: 1 Physical hazard: 2

**State Regulations:**

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Instruction: for regulatory information on components of this mixture, check the appropriate state websites.

**International Regulations/Inventories:**

Canada: All ingredients of this product are listed or are exempt from the DSL.

WHMIS Classification (Controlled Products Regulations): Class D2B: Material causing other toxic effects

WHMIS Label Information: Class E: Corrosive



**SECTION 16 – OTHER INFORMATION**

**LEGEND**

GHS	Globally Harmonized System
CAS	Chemical Abstracts Services
EC	European Community
EPA	Environmental Protection Agency
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
NIOSH	National Institute of Occupational Safety and Health
PEL	Permissible Exposure Limits
TLV	Threshold Limit Value
REL	Recommended Exposure Limit
TWA	Time-Weighted Average
STEL	Short-term exposure limit
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
COD / BOD	Chemical Oxygen Demand / Biological Oxygen Demand
STOT, SE	Specific Target Organ Toxicity following Single Exposure
STOT, RE	Specific Target Organ Toxicity following Repeated Exposure
DOT	Department of Transportation
IMDG	International maritime dangerous goods code
IATA, ICAO	International Air Transport Association, International Civil Aviation Organization
TSCA	Toxic Substances Control Act
EPCRA	Emergency Planning and Community Right-to-Know Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
RQ	Reportable Quantity
EHS	Extremely Hazardous Substances
DSL	Domestic Substance List
WHMIS	Workplace Hazardous Materials Information System

**Latest revision date:** July 20, 2016

**Date of the previous revision:** November 12, 2015

**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.