

PRODUCT NAME(S): SolarMax® 11-60 Resin
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:

SolarMax® 11-60 Resin

Chemical Name:

Polyamine Blend

Chemical Family:

Aliphatic Polyurea Resin

Product Category:

Component of Aliphatic Polyurea System

Recommended use:

Spray Elastomer

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:

WARNING

Pictogram(s):


GHS 07

Classification of the substance or mixture:

<u>Hazard Class</u>	<u>Category</u>	<u>Hazard Statement Codes</u>	<u>Hazard Statements</u>
Acute Toxicity, Oral	4	H302	Harmful if swallowed
Serious eye damage/eye irritation	2B	H320	Causes eye irritation
Skin Sensitization	1	H317	May cause an allergic skin reaction
Aquatic Hazard, Acute	3	H402	Harmful to aquatic life
Aquatic Hazard, Chronic	3	H412	Harmful to aquatic life with long lasting effects

Precautionary Statements:

Prevention:	P201	Obtain special instruction before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
	P264	Wash exposed area with plenty of water and soap thoroughly after handling.
	P270	Do not eat, drink, or smoke when using this product.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P273	Avoid release to the environment.
Response:	P301+P330	IF SWALLOWED: Rinse mouth.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.	
	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/attention.	
Storage:	P405	Store locked up.
Disposal:	P501	Dispose of contents/container to hazardous or special waste collection point in accordance with local/regional/national/international regulations.

Hazards not otherwise classified:

See Section 11.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	EC #	Concentration, %
ε-Caprolactone, oligomeric reaction products with propylidyntrimethanol	37625-56-2	500-099-5	30 – 35
Polyether polyol	Trade Secret	Trade Secret	40 – 50
Cycloaliphatic Amines	Trade Secret	Trade Secret	10 – 15
Zeolites	1318-02-1	930-915-9	1 – 5
Tetrahydroxypropylethylenediamine	102-60-3	203-041-4	1 – 5
Bismuth(3+) neodecanoate	34364-26-6	251-964-6	1 – 5

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

Inhalation: Remove exposed person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.

Skin: Immediately wash material off of skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes immediately and wash them before reuse. Seek medical attention.

Eye: 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. Seek medical attention.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention.

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 24hours.

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.

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.

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. May be harmful to the environment if released in large quantities. See Section 12.

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: Protect from temperatures above 86°F (30°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. Results for components are listed in Section 15.

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 and 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.

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

Appearance:	Liquid
Odor:	Mild
Odor threshold:	No test data available
pH:	No test data available
Melting point/ freezing point:	No test data available
Initial boiling point and boiling range:	>200°C
Flash point:	>200°C
Evaporation rate:	No test data available
Flammability (solid, gas):	No test data available
Upper/ lower flammability or explosive limits:	No test data available
Vapor pressure:	No test data available
Vapor density:	No test data available
Relative density:	No test data available
Solubility (water):	Partially soluble
Partition coefficient n-octanol/water:	No test data available
Auto-ignition temperature:	No test data available
Decomposition temperature:	No test data available
Viscosity:	No test data available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Product will not undergo hazardous polymerization. Corrosive effects to metal are not anticipated. 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: Skin and Eye Contact, Inhalation and 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:

Not classified.

Inhalation:

Not classified.

Skin corrosion / irritation:

Not classified.

Serious eye damage / eye irritation:

Causes eye irritation.

Specific target organ toxicity, single exposure:

Not classified.

Aspiration hazard:

Not classified.

Chronic toxicity:

Respiratory and Skin Sensitizer:

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

- Cycloaliphatic Amines, CAS #: Trade Secret

Germ cell mutagenicity:

Not classified.

Carcinogenicity:

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

- Zeolites, CAS #: 1318-02-1: IARC: Group 3 (Not Classifiable as to its Carcinogenicity to Humans)

Reproductive toxicity:

Not classified.

Specific target organ toxicity, repeated exposure:

Not classified.

Medical conditions aggravated by overexposure:

None known.

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

Components	Test Results
ε-Caprolactone, oligomeric reaction products with propylidynetrimehanol CAS # 37625-56-2	No test data available.
Polyether polyol CAS # Trade Secret	<p><u>Acute Toxicity</u> Oral LD50 (Rat): >2,000 mg/kg - Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Dermal: Prolonged skin contact is unlikely to result in absorption of harmful amounts. As product: The dermal LD50 has not been determined. Inhalation: At room temperature, exposure to vapor is minimal due to low volatility; single exposure is not likely to be hazardous. Vapor from heated material or mist may cause respiratory irritation. As product: The LC50 has not been determined. Skin corrosion/irritation: Brief contact is essentially nonirritating to skin. Prolonged contact may cause slight skin irritation with local redness. Serious eye damage/eye irritation: May cause slight temporary eye irritation. Corneal injury is unlikely.</p> <p><u>Chronic toxicity</u> Aspiration hazard: Based on physical properties, not likely to be an aspiration hazard. Sensitization, skin and respiratory: No data available. Germ cell mutagenicity: For this family of materials: In vitro genetic toxicity studies were negative. Carcinogenicity: No data available. Reproductive toxicity: No data available. STOT-SE: Evaluation of available data suggests that this material is not an STOT-SE toxicant. STOT-RE: Based on available data, repeated exposures are not anticipated to cause significant adverse effects.</p>
Cycloaliphatic Amines CAS #: Trade Secret	<p><u>Acute Toxicity</u> Oral LD50 (Rat): 494 mg/kg (OECD Test Guideline 423) Dermal LD50 (Rat): >5,000 mg/kg Skin corrosion/irritation (Rabbit): Non-irritating (OECD Test Guideline 404) Eye Irritation (Rabbit): Slightly Irritating (OECD Test Guideline 405)</p> <p><u>Chronic toxicity</u> Aspiration hazard: Not expected. Sensitization (Mouse): Local Lymph Node Assay – Sensitizing (OECD Test Guideline 429) Germ cell mutagenicity: Not mutagenic in bacteria. Reproductive toxicity: No data available. Teratogenicity: No data available. Carcinogenicity: No data available. STOT-SE: The available information is not sufficient for evaluation. STOT-RE: No data available.</p>
Zeolites CAS #: 1318-02-1	<p><u>Acute Toxicity</u> Oral LD50 (Rat): >5,110 mg/kg (OECD Guideline 401); May cause gastrointestinal tract irritation. Dermal LD50 (Rabbit): Not data available Inhalation LC50 (Rat)(dust/aerosol), 4hrs : >5.3 mg/L. Slightly irritant. Skin corrosion/irritation (Rabbit): Slightly irritant. May cause dehydration. Serious eye damage/eye irritation (Rabbit): Slightly irritant. May cause abrasion or mechanical irritation. Aspiration hazard: No</p> <p><u>Chronic toxicity</u> Sensitization, skin and respiratory: Not sensitizer (Guinea pig maximization test) Germ cell mutagenicity: Risk to humans is not expected from exposure to this product. Carcinogenicity: IARC: Group 3 (Not Classifiable as to its Carcinogenicity to Humans) Reproductive toxicity: No adverse effects in rats and rabbits or their offspring following administration in the drinking water during pregnancy. STOT-SE: risk to humans is not expected from exposure to this product STOT-RE: Effects on kidney were observed in rats and dogs administered high dose levels in their feed for one month. Effect on blood, chronic pneumonitis and acute bronchopneumonia were observed in dogs. Long-term inhalation by rats and dogs produced inflammation in the lungs associated with accumulation of particulate.</p>
Tetrahydroxypropylethylenediamine CAS #: 102-60-3	<p><u>Acute toxicity:</u> Oral LD50 (Rat): >2,000 mg/kg (similar to OECD Guideline 401) - low toxicity after single ingestion. Dermal LD50 (Rat): >2,000 mg/kg (OECD Guideline 402) Inhalation: No data available. Skin corrosion/irritation (Rabbit): Not irritating to the skin. Serious eye damage/eye irritation: Causes serious eye irritation.</p> <p><u>Chronic toxicity:</u> Sensitization: Non-sensitizing – Guinea pig maximization test (OECD Guideline 406) Germ cell mutagenicity: Not mutagenic in bacteria. Reproductive toxicity: The results of animal studies gave no indication of a fertility impairing effect. The results were determined in a Screening test (OECD 421/422).</p>

	<p>Teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The results were determined in a Screening test (OECD 421/422).</p> <p>Carcinogenicity: Not classified.</p> <p>STOT-SE: Not classified.</p> <p>STOT-RE: Not classified. The substance may cause damage to the central nervous system after repeated ingestion of high doses.</p>
<p>Bismuth(3+) neodecanoate CAS # 34364-26-6</p>	<p><u>Acute Toxicity</u> Oral LD50 (Rat): >5,000 mg/kg Dermal LD50 (Rabbit): >5,000 mg/kg Inhalation LC50: >5 mg/L (4H) Skin corrosion/irritation: Not irritating to the skin. Serious eye damage/eye irritation: Causes serious eye irritation. Aspiration Hazard: No data available.</p> <p><u>Chronic toxicity</u> Respiratory or skin sensitization: Not classified. Germ cell mutagenicity: No data available Carcinogenicity: Not classified. Reproductive Toxicity: Not classified. STOT-SE: Not classified. STOT-RE: Not classified.</p>

The products in question have been evaluated against the Hazardous Products Regulations (WHMIS 2015) and no additional classifications, ingredient disclosure or exposure limits are required for those regulations.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Acutely and chronically hazardous for aquatic organisms. Do not release into natural waters.

Persistence and degradability:

Not readily biodegradable by OECD criteria. In contact with water the substance will hydrolyze slowly.

Bioaccumulative potential:

No significant accumulation in organisms is expected.

Mobility in soil:

Not expected.

Other adverse effects:

Not known.

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

Components	Test Results
<p>ε-Caprolactone, oligomeric reaction products with propylidynetrimethanol CAS # 37625-56-2</p>	<p>No test data available.</p>
<p>Polyether polyol CAS # Trade Secret</p>	<p><u>Acute Toxicity</u> Fish, static test, 96 Hour, > 100 mg/l, OECD Test Guideline 203 or Equivalent. For this family of materials: Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).</p> <p><u>Ecological Data</u> Biodegradation: No data available. Bioaccumulation: Based on information for a similar material: Bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000). Mobility in soil: No data available.</p>
<p>Cycloaliphatic Amines CAS # Trade Secret</p>	<p><u>Acute Toxicity</u> Fish: Acutely and chronically aquatic organisms; may cause long-term adverse effects in the aquatic environment Aquatic Invertebrates: EC50 (Daphnia magna), 48hrs: 51.9 mg/L (OECD Guideline 202) Microorganisms, EC20 (activated sludge), 180 min: 450 mg/L (OECD Guideline 209)</p> <p><u>Ecological Data</u> Biodegradation: Not readily biodegradable by OECD criteria. Poorly biodegradable. Bioaccumulation: Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected. Other ecological advice: Do not release untreated into natural waters.</p>
<p>Zeolites CAS # 1318-02-1</p>	<p><u>Acute Toxicity:</u> Fish (fathead minnow), 96hrs: LC50: >680 mg/L (EPA 72-1, static). The details of the toxic effect relate to the nominal concentration. The LC50 is higher than the solubility limit. Aquatic invertebrates (Daphnia magna), 24hrs: EC50: 2,808 mg/L (OECD Test Guideline 202, part 1, static) Aquatic plants (Green algae), 96hrs: EC50: >328 mg/L (OECD Test Guideline 201, static). The details of the toxic effect relate to the nominal concentration. Tested above maximum solubility. The product has low solubility in the test medium. An eluate has been tested. Microorganisms (Bacteria), 16hrs: EC50: 950 mg/L (Growth inhibition) (DIN 38412, Part 8). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An eluate has been tested.</p> <p><u>Chronic toxicity:</u> Fish (fathead minnow), 30days: NOEC: ≥86.7 mg/L (OPP 72-5, EPA-Guideline, Flow through). The statement of the toxic effect relates to the analytically determined concentration. Aquatic invertebrates (Daphnia magna), 21days: NOEC: 32 mg/L (OECD Test Guideline 211, semistatic). The details of the toxic effect relate to the nominal concentration. The product has low solubility in the test medium. An eluate has been tested.</p> <p><u>Ecological Data:</u> Biodegradability: Not readily biodegradable. The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants. It cannot be eliminated from water by biological purification processes. Mobility in soil: Transport between environmental compartments: Study scientifically not justified.</p>

Tetrahydroxypropylethylenediamine CAS #: 102-60-3	<p>There is a high probability that the product is not acutely harmful to aquatic organisms.</p> <p><u>Acute Toxicity</u> Fish LC50 (96 h) > 100 mg/l, Leuciscus idus (DIN 38412 Part 15) Aquatic invertebrates EC50 (48 h) > 100 mg/l, Daphnia magna (Directive 92/69/EEC, C.2, static) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Nominal concentration.</p> <p>Aquatic plants EC50 (72 h) > 100 mg/l (growth rate), Desmodemus subspicatus (Guideline 92/69/EEC, C.3) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.</p> <p><u>Ecological Data</u> Persistence and degradability: Not readily biodegradable. Bioaccumulative potential: No significant accumulation in organisms is expected as a result of the distribution coefficient of n-octanol/water (log Pow). Mobility in soil: The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.</p>
Bismuth(3+) neodecanoate CAS # 34364-26-6	No test data available.

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 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.

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 regulation. This material and its container must be disposed of in a safe way.

SECTION 14 – TRANSPORT INFORMATION

Land transport, U.S. DOT:	Non-regulated
Sea transport, IMDG:	Non-regulated
Air transport, IATA/ICAO:	Non-regulated

SECTION 15 – REGULATORY INFORMATION
U.S. FEDERAL REGULATIONS:
U.S. Toxic Substances Control Act:

Listed on the Active Portion of the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components:

None

SARA Section 311/312 Hazard Categories:

Refer to hazard classification information in Section 2.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

None

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

None

California Prop. 65 Components:

This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute unless otherwise listed. For more information, visit www.P65Warnings.ca.gov.

NFPA Hazard Rating:

HEALTH	FIRE	INSTABILITY	SPECIFIC
1	1	1	
0 = Normal 1 = Slight 2 = Hazardous 3 = Extreme Danger 4 = Deadly	(Flash Points) 0 = Will not burn 1 = Above 200°F 2 = Below 200°F 3 = Below 100°F 4 = Below 73°F	0 = Stable 1 = Unstable if Heated 2 = Violent Chemical Change 3 = Shock and Heat May Detonate 4 = May Detonate	ACID (Acid) ALK (Alkaline) COR (Corrosive) OXY (Oxidizer) W (Use No Water)

HMIS Hazard Rating:

HEALTH	FLAMMABILITY	REACTIVITY	PROTECTIVE EQUIPMENT
1	1	0	X
0 = Normal 1 = Slight 2 = Hazardous 3 = Extreme Danger 4 = Deadly			X = Ask your Supervisor or Safety Specialist for handling instructions

Canada regulations/legislation:

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

International Regulations/Inventories:

No data available.

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: April 7, 2020

Date of the previous revision: N/A

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.