

IF PRODUCT NAME(S): ThermalGuard™ PIP 1.8 Foam
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: ThermalGuard™ PIP 1.8 Foam Product Category: Polyurethane Resin Blend Recommended Use: Two-Component Polyurethane Foam
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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):
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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
Acute Toxicity, Inhalation	4	H332	Harmful if inhaled
Serious Eye Damage / Eye Irritation	2B	H320	Causes eye irritation
Skin Sensitization	1	H317	May cause an allergic skin reaction
Aquatic Environment – Chronic	3	H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements:

Prevention: P201 P202 P261 P264 P270 P271 P272 P273 P280 P281 Response: P301+P330+P312 P302+P352+P312 P333+P313 P363 P304+P340+P312 P305+P351+P338 P337+P313 Storage: P405 Disposal: P501	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash exposed area with plenty of water and soap thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. IF skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention. Store locked up. Dispose of contents/container to hazardous or special waste collection point in accordance with local/regional/national/international environmental control laws.
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Other Hazards not Classified:	None known
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SAFETY DATA SHEET

Part No.: TGPIP1.8-B

Date: January 27, 2020

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	EC #	Concentration, %
Aromatic Polyester Polyol	Proprietary	Proprietary	25 – 40
Polyol Blend	Proprietary	Proprietary	35 – 50
Tris (1-chloro-2-propyl) Phosphate	13674-84-5	237-158-7	5 – 10
Water	7732-18-5	231-791-2	5 – 10
Ethylenediamine, ethoxylated and propoxylated	26316-40-5	500-047-1	1 – 5
Surfactant	Proprietary	Proprietary	1 – 5

SECTION 4 – FIRST-AID MEASURES

Description of First Aid measures:

Inhalation: Move to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory problems, seek immediate medical attention.

Skin: Wash material off of the skin with plenty of soap and water for at least 15-20 minutes. Remove contaminated clothing and shoes immediately and wash them before reuse. Get medical advice/attention if irritation occurs. Can cause allergic reaction in sensitive individuals.

Eye: Can cause severe or permanent eye damage/disease. 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 to 60 minutes. Do not rub eyes in order to prevent corneal injury. Get medical advice/attention if eye irritation persists.

Ingestion: Remove the exposed person to fresh air and keep at rest in a position comfortable for breathing. Remove dentures if any. Rinse mouth thoroughly with water and then give 60 to 240 mL (2 to 8 oz) of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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 person is unconscious or having convulsions.

Most important symptoms/effects, acute and delayed: Repeated and/or prolonged exposure can result in adverse skin effects (such as rash, irritation, allergies or corrosion). Adverse eye effects (such as conjunctivitis or corneal damage), eye disease. 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.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire: Alcohol-resistant foam, Carbon dioxide (CO₂), Dry Chemical, water fog, foam, Dry sand, or Limestone powder.

Unsuitable extinguishing media: Do Data Available

Specific hazards arising from the chemical: This product is non-flammable and non-combustible. Containers at risk from fire should be cooled with water spray and, if possible, removed from the danger area. Hazardous combustion products: carbon monoxide, ammonia gas, and nitrogen oxide gases (Section 3).

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.

Further Information: Do not allow run-off from fire-fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local 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. 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. 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. Contain spillages 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. Neutralize with very dilute acid, if necessary.

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: Avoid prolonged exposure to heat and air. Keep away from sources of ignition (heat, sparks and open flame) Prevent electrostatic charge build-up by bonding and grounding techniques. Use non-sparking tools and explosion proof equipment. 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 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. Vapors may form explosive mixtures with air. 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. Avoid strong oxidizing agents.

Not compatible with water. Keep out of the reach of children.

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.



SAFETY DATA SHEET

Part No.: TGPIP1.8-B

Date: January 27, 2020

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters/Occupational exposure limit values: Not available for mixture. No components are subject to the reporting.

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 the product, eye protection is required. Examples of eye protection include safety glasses with side shields or chemical goggles. Contact lenses should not be worn when working with chemicals.

Skin/body protection:

Impervious, waterproof, abrasion and alkali-resistant gloves should be worn always when working with this product. Do not rely on barrier creams in place of impervious gloves. Do not get product inside gloves.

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. Remove clothing and protective equipment that becomes saturated with the product and immediately wash exposed areas of the body. 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 properly fitted, vapor/particulate filter or air feed/supplied respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and assigned protection factor 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. Clean water should always be readily available for emergency skin and eye washing. Use administrative controls such job rotation to supplement engineering controls. Emergency eyewash fountains and safety shower should be in close proximity as a matter of good practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous Liquid
Odor:	Odorless
Odor threshold:	Not available for mix
pH:	Not available for mix
Melting point/ freezing point:	Not available for mix
Initial boiling point and boiling range:	>200°C (392°F)
Flash point:	>180°C (356°F)
Evaporation rate:	Not available for mix
Flammability (solid, gas):	Not available for mix
Upper/ lower flammability or explosive limits:	Not available for mix
Vapor pressure:	Not available for mix
Vapor density:	Not available for mix
Specific Gravity:	1.29
Solubility (water):	Not available for mix
Partition coefficient n-octanol/water:	Not available for mix
Auto-ignition temperature:	Not available for mix
Decomposition temperature:	Not available for mix
Viscosity:	Not available for mix

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 strong oxidizers and water.

Incompatible materials: Avoid contact with isocyanates and strong oxidizing agents.

Hazardous decomposition products: Oxides of carbon, oxides of nitrogen, oxides of silicon, traces of HCN.



SAFETY DATA SHEET

Part No.: TGPIP1.8-B

Date: January 27, 2020

SECTION 11 – TOXICOLOGICAL INFORMATION

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

Symptoms of exposure:

Acute toxicity:

Oral: 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: May cause skin irritation.

Inhalation: Harmful if inhaled.

Serious eye damage / eye irritation: May cause eye irritation.

Specific target organ toxicity, single exposure: Not classified.

Aspiration hazard: Not classified.

Chronic toxicity:

Respiratory and Skin Sensitizer: Contains a component that is reported to be a skin sensitizer:
▪ Ethylenediamine, ethoxylated and propoxylated – CAS # 26316-40-5

Carcinogenicity: Not classified. This product does not contain any component known or reported to be carcinogenic by any reference by IARC, NTP, EPA, OSHA, ACGIH.

Reproductive toxicity: Not classified.

Specific target organ toxicity, repeated exposure: Not classified.

Medical conditions aggravated by overexposure: No data available on mix.

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

Components	Test Results
Aromatic Polyester Polyol CAS # Proprietary	No data available.
Polyol Blend CAS #: Proprietary	<p>Acute Toxicity Oral LD50: >2,000 mg/kg (Rat) Dermal LD50: >2,000 mg/kg (Rabbit) Inhalation: No applicable information available. Skin corrosion/irritation: Non-Irritant. No irritation is expected under intended use and appropriate handling. Serious eye damage/eye irritation: Non-Irritant. No irritation is expected under intended use and appropriate handling. Aspiration Hazard: No aspiration hazard expected. STOT-SE: Based on the available information there is no specific target organ toxicity to be expected after a single exposure. Assessment: No known acute effects.</p> <p>Chronic Toxicity Sensitization: Non-Sensitizing. The chemical structure does not suggest a sensitizing effect. Mutagenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available. Genetic toxicity in vitro: Bacterial gene mutation assay negative. Ames-test negative Reproductive: The chemical structure does not suggest a specific alert for such an effect. No applicable information available. Carcinogenicity: Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. STOT-RE: Repeated oral uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects. Other Information: The product has not been tested. The statement has been derived from the properties of the individual components.</p>
Tris (1-chloro-2-propyl) Phosphate CAS # 13674-84-5	<p>Acute Toxicity Oral LD50: 1,500 mg/kg (Rat) Dermal LD50: 1,230 mg/kg (Rabbit) Inhalation LC50: >4.6 mg/L, 4 h (Rat) NOTE: Harmful if swallowed. Harmful in contact with skin.</p> <p>Chronic Toxicity Carcinogenicity: Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.</p>



SAFETY DATA SHEET

Part No.: TGPIP1.8-B

Date: January 27, 2020

Water CAS # 7732-18-5	Not a hazardous substance.
Ethylenediamine, ethoxylated and propoxylated CAS # 26316-40-5	<p><u>Acute Toxicity</u> Oral LD50: 3-5 g/kg (Rat) Dermal LD50: > 2,000 mg/kg (Rabbit) Inhalation: No data available. Skin corrosion/irritation: Not classified. pH: 10 - 12 (@ 25 Deg. C) 10/6 Isopropanol / water Serious eye damage/irritation: Causes serious eye irritation. pH: 10 - 12 (@ 25 Deg. C) 10/6 Isopropanol / water</p> <p><u>Chronic Toxicity</u> Sensitization: May cause an allergic skin reaction. Germ cell mutagenicity: Not classified. Reproductive toxicity: Not classified. Carcinogenicity: Not classified. Aspiration hazard: Not classified. STOT-SE: Not classified. STOT-RE: Not classified.</p>
Surfactant CAS #: Proprietary	<p><u>Acute Toxicity</u> Oral LD50: 960-3,980 mg/kg (Rat). 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 LD50: 2,000-2,991 mg/kg (Rabbit). Prolonged skin contact is unlikely to result in absorption of harmful amounts. Inhalation LC50: (Rat) 4 hours, dust/mist, 1.15 mg/l. Prolonged excessive exposure to mist may cause serious adverse effects, even death. Vapor may cause irritation of the upper respiratory tract (nose and throat). Skin corrosion/irritation: Prolonged contact may cause slight skin irritation with local redness. Serious eye damage/irritation: May cause severe eye irritation. May cause severe corneal injury.</p> <p><u>Chronic Toxicity</u> Sensitization: Did not cause allergic reactions when tested on animals. Reproductive toxicity: Not classified. Mutagenicity: For this family of materials, In vitro genetic toxicity studies were negative. Carcinogenicity: Not classified. Aspiration hazard: Not classified. STOT-SE: Not classified. STOT-RE: Not classified. For this family of materials, effects on animals have been reported on the kidney and liver.</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:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to environment.

Persistence and degradability:

Not readily biodegradable by OECD criteria.

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
Aromatic Polyester Polyol CAS # Proprietary	No data available.
Polyol Blend CAS #: Proprietary	<p><u>Aquatic Toxicity</u> Fish: LC50 (48 h) > 100 mg/l, Brachydanio rerio Invertebrates: EL50 (48 h) > 100 mg/l, Daphnia magna Microorganisms: activated sludge/EC20 (0.5 h): > 1,000 mg/l</p> <p><u>Ecological Data</u> Biodegradation: Poorly biodegradable. Not readily biodegradable by OECD criteria. Bioaccumulation potential: Does not significantly accumulate in organisms. Mobility in soil: Adsorption to solid soil phase is not expected. Note: There is a high probability that the product is not acutely harmful to aquatic organisms.</p>
Tris (1-chloro-2-propyl) Phosphate CAS # 13674-84-5	<p><u>Aquatic Toxicity</u> Fish LC50: Pimephales promelas, 98 mg/l, 96 h Invertebrate EC50: Daphnia magna, 63 mg/l, 48 h Algae/aquatic plants EC50: Algae, 45 mg/l, 72 h</p> <p><u>Ecological Data</u> Biodegradation: Not determined. Bioaccumulation potential: Not determined. Mobility in soil: Partition Coefficient – 2.59 Note: Harmful to aquatic life with long lasting effects.</p>
Water CAS # 7732-18-5	Not a hazardous substance.



SAFETY DATA SHEET

Part No.: TGPIP1.8-B

Date: January 27, 2020

<p>Ethylenediamine, ethoxylated and propoxylated CAS # 26316-40-5</p>	<p><u>Aquatic Toxicity</u> Fish LC50: > 100 mg/l Invertebrate: No data available. Algae/aquatic plants: No data available. <u>Ecological Data</u> Biodegradation: Not established. Bioaccumulation potential: Not established. Mobility in soil: No data available. Other information: Avoid release to environment.</p>
<p>Surfactant CAS #: Proprietary</p>	<p><u>Aquatic Toxicity</u> Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested). For this family of materials: Fish LC50: Pimephales promelas (fathead minnow), 96 Hour, 3.8 - 6.2 mg/l, OECD Test Guideline 203 or Equivalent Invertebrates LC50: Daphnia magna (Water flea), 48 Hour, 9.3 - 21.4 mg/l, OECD Test Guideline 202 or Equivalent Bacteria IC50: 16 Hour, > 1,000 mg/l <u>Ecological Data</u> Biodegradation: For this family of materials: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions. 10-day Window: Not applicable Bioaccumulation potential: Partition coefficient: n-octanol/water(log Pow): 2.1 - 3.4 Calculated. Mobility in soil: No data available. Other information: Avoid release to environment. This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.</p>

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. 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

Land transport, U.S. DOT: Not regulated as a dangerous good

Sea transport, IMDG: Not regulated as a dangerous good

Air transport, IATA/ICAO: Not regulated as a dangerous good

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

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 and Table Z-3: See Section 8.

Clean Water Act:



SAFETY DATA SHEET

Part No.: TGPIP1.8-B

Date: January 27, 2020

- 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: 2 Fire: 0 Reactivity: 0 Special: 0
HMIS rating: Health: 2 Flammability: 0 Physical hazard: 0

Rating: 0 – Minimal | 1 – Slight | 2 – Moderate | 3 – Serious – 4 – Severe

State Regulations:

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

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

No components are subject to the reporting.

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
HEPA	High Efficiency Particulate Air
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
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
DSL	Domestic Substance List
WHMIS	Workplace Hazardous Materials Information System

Latest revision date: January 27, 2020

Date of the previous revision: New Product

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.