

PRODUCT NAME(S): SB Urethane Resin (Part A)

SECTION 1 – IDENTIFICATION

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

Product name: SB Urethane Resin (Part A)

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

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:** **Pictogram(s):**
 WARNING



GHS 02

Classification of the substance or mixture:

Hazard Class	Category	Hazard Statement Codes	Hazard Statements
Serious eye damage / Eye irritation	2B	H320	Causes eye irritation
Flammable Liquids	3	H226	Flammable liquid and vapor

Precautionary Statements:

Prevention:	P264 P210 P233 P240 P241 P242 P243	Wash exposed area with plenty of water and soap thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
Response:	P303 + P361 + P353 P305 + P351 + P338 P337 + P313 P370 + P378	IF ON SKIN (or hair): 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 eye irritation persists: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:	P403 + P233 + P235	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
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: Not known.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	EC #	Concentration, %
2-Methoxy-1-methylethyl acetate (PMA)	108-65-6	203-603-9	10 – 30
Ethyl 3-ethoxypropionate	763-69-9	212-112-9	5 – 15

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 medical attention.

Skin: Immediately wash material off of the skin with plenty of soap and water. Remove contaminated clothing and shoes and wash them before reuse. Get medical advice/attention if irritation develops or persists.

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Eye: Immediately rinse 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 corneal injury. Get medical advice/attention if eye irritation develop or persists.

Ingestion: Move to fresh air and keep at rest in a position comfortable for breathing. Remove dentures if any. Rinse mouth thoroughly with water and then drink 60 to 240 mL (2 to 8 oz). Get medical advice/attention if symptoms occur.

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

General advice for First Aid responders: 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: Those recommended for Class B fuels: Alcohol-resistant foam, dry chemical, carbon dioxide fire extinguishers.

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

Specific hazards arising from the chemical: Flammable Liquid, Category 3 per GHS. Keep away from extreme heat or open flame. If heated above its flash point, product will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Vapors may be heavier than air and travel considerable distance to a source of ignition and flash back. Mists or sprays may be flammable below regular flash points.

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. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. If released, product may float and ignite on surface of water.

- 2-Methoxy-1-methylethyl acetate, CAS #: 108-65-6: Flash Point: 46°C (113.9°F); Flammable Liquid, Category 3 per GHS; Combustible Liquid, Class II per OSHA 29 CFR 1910.106
- Ethyl 3-ethoxypropionate, CAS #: 763-69-9: Flash Point: 58°C (136°F); Flammable Liquid, Category 3 per GHS; Combustible Liquid, Class II per OSHA 29 CFR 1910.106

Hazardous combustion products: carbon and nitrogen oxides, amines, formaldehyde, hydrogen cyanide, formaldehyde, acids, aldehydes, lower molecular weight organic molecules. Creates dense black smoke when burned without sufficient oxygen.

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. Prevent static discharge. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. No action should be taken involving any personal risk or without suitable training.

Water contaminated with this material must be contained and prevented being discharged to any waterway, sewer or drain. 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. Eliminate all sources of ignition. Beware of vapors accumulating to form explosive concentrations. 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: Product is flammable. Eliminate all sources of ignition. Use clean non-sparking tools to collect absorbed material. All equipment used when handling this product must be grounded. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

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. Remove residual with warm, soapy water. After cleaning, remove waste container and keep in 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. Approach release from upwind. Remove all ignition sources. Use spark-proof tools and explosion-proof equipment. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or contain and collect with an absorbent material as described in the previous paragraph.

Released: February 19, 2016

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: Product is flammable. Check atmosphere for explosiveness and oxygen deficiencies. Eliminate all sources of ignition. Ground and bond containers and equipment before transferring to avoid static sparks. All equipment must conform to applicable electrical code. Use clean non-sparking tools. Carefully vent any internal pressure before removing closure. Handle empty containers with care; vapor/residue may be ignited and explode.

Use adequate ventilation to keep airborne levels below the exposure limits. Do not inhale 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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

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. Protect it against physical damage and moisture. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Flammable mixtures may exist within the vapor space of containers at room temperature. Keep liquid away from heat, sparks and flame. Do not cut, drill, grind, weld or perform similar operations on or near containers. Ground and bond containers and equipment. Use appropriate containment to avoid environmental contamination.

Storage stability: Stable under normal conditions.

Storage temperature: 65 - 80°F (18 - 27°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: Use only with adequate ventilation. Provide process enclosures, local exhaust ventilation or other engineering controls to maintain recommended PEL. All equipment must conform to applicable electrical code. Use clean non-sparking tools. Exhaust air may require cleaning by scrubbers or filters to reduce environmental contamination.

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:

Product easily penetrates the skin and may carry other dissolved chemicals into the body; therefore glove selection is very important. Butyl rubber, fluoroelastomer, neoprene, or thick (15 mil) latex gloves are recommended. Commonly used nitrile gloves may protect from brief contact, but have been found to degrade rapidly with exposure to the product. Body should be covered with appropriate clothing (apron, arm covers or full body suit) depending on the task being performed and the risks involved. 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 that is recommended for use in solvent-containing areas. 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. Clean water should always be readily available for emergency skin and eye washing. Emergency eyewash fountains and safety shower should be in close proximity.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Odor:	Aromatic
Odor threshold:	Not available

pH:	Not available
Melting point/ freezing point:	Not available for mixture; PMA: <-66°C (<-87°F); EEP: -50°C (-58°F)
Initial boiling point and boiling range:	>140°C (284°F); PMA: 145°C (293°F); EEP: 166°C (331°F)
Flash point:	79 °F; PMA: 46°C (114°F) (closed cup); EEP: 58°C (136°F)
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/ lower flammability or explosive limits:	Not available for mixture; PMA: 13.1 %(V)/ 1.3 %(V); EEP: 9.8 %(V)/1.05 %(V)
Vapor pressure:	Not available for mixture; PMA: 3.59hPa (2.69mmHg) at 20°C (68°F); EEP: 2.30hPa (1.73mmHg) at 20°C
Vapor density:	Not available for mixture; EEP: 5.03;
Relative density:	1.05-1.15; PMA: 0.97 g/mL at 25°C; EEP: 0.95 g/mL at 25°C
Solubility (water):	Insoluble
Partition coefficient n-octanol/water:	Not available for mixture; PMA: log Pow: 1.2 ; EEP: log Pow: 1.47
Auto-ignition temperature:	Not available for mixture; PMA: 333°C (631°F); EEP: 377°C (711°F)
Decomposition temperature:	Not available
Viscosity:	Not available
Volatiles by volume	58%
Solids by weight	47%

PMA - 2-Methoxy-1-methylethyl acetate; EEP - Ethyl 3-ethoxypropionate

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. Attacks rubber and certain plastics. Vapors may form explosive mixture with air.

Chemical stability: Stable under recommended storage conditions. Due to flammability, product requires special attention during handling and storing.

- 2-Methoxy-1-methylethyl acetate, CAS #: 108-65-6: Flash Point: 46°C (113.9°F); Flammable Liquid, Category 3 per GHS; Combustible Liquid, Class II per OSHA 29 CFR 1910.106
- Ethyl 3-ethoxypropionate, CAS #: 763-69-9: Flash Point: 58°C (136°F); Flammable Liquid, Category 3 per GHS; Combustible Liquid, Class II per OSHA 29 CFR 1910.106

Conditions to avoid: Excessive heat (temperatures exciding the flash point), open flame and sparks, pressure and mist formation.

Incompatible materials: Strong oxidizing agents. Strong acids and bases, peroxides, hypochlorites, perchlorates, nitrates, etc.

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, formaldehyde, hydrogen cyanide, formaldehyde, acids, aldehydes, lower molecular weight organic molecules. Creates dense black smoke when burned without sufficient oxygen.

SECTION 11 – TOXICOLOGICAL INFORMATION

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

Symptoms of exposure:

Acute toxicity:

Oral: May be harmful if swallowed; however, available data are not sufficient for classification. Adverse symptoms may include abdominal pain, nausea and diarrhea.

Dermal: Not anticipated, however, adverse symptoms may include temporary irritation and redness.

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

Skin corrosion / irritation:

May cause mild, temporary irritation. Adverse symptoms may include redness.

Serious eye damage / eye irritation:

May cause slight eye irritation. Adverse symptoms may include tearing and redness.

Specific target organ toxicity, single exposure:

This product does not contain components that target an organ after single exposure.

Aspiration hazard: Not an aspiration hazard.

Chronic toxicity:

Respiratory and Skin Sensitizer:

This material is not known or reported to be a skin or respiratory sensitizer.

Germ cell mutagenicity:

Risk to humans is not expected from exposure to this product.

Carcinogenicity:

This product does not contain component(s) known or reported to be carcinogenic by IARC, NTP, EPA, OSHA, ACGIH.

Reproductive toxicity:

Risk to humans is not expected from exposure to this product.

Specific target organ toxicity, repeated exposure:

Components are not classified as STOT, RE.

Medical conditions aggravated by overexposure:

Nasal cavities, kidney and liver disorders, if product is handled without adequate protection.

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

Components	Test Results
2-Methoxy-1-methylethyl acetate (PMA), CAS #: 108-65-6	<u>Acute Toxicity</u> Oral LD50 (Rat): >5,000 mg/kg Dermal LD50 (Rat): >5,000 mg/kg (OECD Test Guideline 402) Inhalation LC50: 10,800 mg/m ³ Skin corrosion/irritation (Rabbit): Not irritating (OECD Test Guideline 404) Serious eye damage/eye irritation (Rabbit): slightly irritating STOT, SE: No data available Aspiration hazard: No <u>Chronic toxicity</u> Sensitization, skin and respiratory: Not sensitizer (Guinea pig maximization test) (OECD Test Guideline 406) Germ cell mutagenicity: Reverse mutation assay (S. typhimurium): negative. Risk to humans is not expected from exposure to this product. 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, ACGIH. Reproductive toxicity: Oral (Rat) NOAEL: 1,000 mg/kg bw/day (OECD TG 422) and Inhalation (Rat): NOAEL: 4,000 ppm (22,464 mg/m ³): no significant adverse effects on reproductive parameters and no evidence of malformations at any doses. Two bacterial mutation tests, unscheduled DNA synthesis in rat hepatocytes and chromosomal aberration test in vitro: negative results. STOT, RE: Stomach Irregularities - Based on Human Evidence. can be absorbed through the skin. Inhalation (Rats), 2 weeks/5 days a week/6 hrs a day: at doses of 300, 1,000 or 3,000 ppm (1.62, 5.39 or 16.18 mg/L); NOAEL: 300 ppm (1.62 mg/L) for males and at 1,000 ppm (5.39 mg/L) for females, kidneys and nasal cavities affected at 3,000 ppm. Inhalation (mice) 2 weeks/5 days a week/6 hrs a day: at 300 ppm effect on the nasal cavity.
Ethyl 3-ethoxypropionate, CAS #: 763-69-9	<u>Acute Toxicity</u> Oral LD50 (Rat, male): >5,000 mg/kg; (Rat, female): 4,309 mg/kg (OECD Test Guideline 401) Dermal LD50 (Rabbit, male): 4,080 mg/kg; (Rabbit, female): 4,680 mg/kg (OECD Test Guideline 402) Inhalation LC50 (Rat, male), 6hrs: >998 ppm (highest concentration tested) (OECD Test Guideline 403) Skin corrosion/irritation (Rabbit), 4hrs: slightly irritating (OECD Test Guideline 404) Serious eye damage/eye irritation (Rabbit), 24hrs: Slightly irritating (OECD Test Guideline 405) STOT, SE: No data available Aspiration hazard: No <u>Chronic toxicity</u> Sensitization, skin and respiratory: Not skin sensitizer (Guinea pig maximization test) (OECD Test Guideline 406) Germ cell mutagenicity: In vitro: bacterial; chromosome aberration; mammalian: negative. In vivo: No data available Carcinogenicity: No data available STOT, RE: Liver Irregularities - Based on Human Evidence (Formaldehyde) Oral (Rat, male & female), 28days: NOAEL: 1,000 mg/kg (OECD Test Guideline 407) Inhalation (Rat), 90days: NOAEL: 500 ppm; Nausea, Headache, Vomiting, Central nervous system depression, Dizziness

SECTION 12 – ECOLOGICAL INFORMATION
Ecotoxicity: Not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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
2-Methoxy-1-methylethyl acetate (PMA), CAS #: 108-65-6	<u>Acute toxicity</u> Fish: LC50 (rainbow trout), 96hrs: 100-180 mg/L (OECD Test Guideline 203) Aquatic invertebrates: EC50 (Daphnia magna), 48hrs: >500 mg/L Aquatic plants: EC50 (green algae), 72hrs: >1,000 mg/L <u>Ecological Data</u> Biodegradation, 28days: 83% - Readily biodegradable (OECD Test Guideline 301F) (BOD): 0.36 mg/l; (COD): 1.74 mg/g Bioaccumulation: No data available Results of PBT and vPvB assessment: No data available
Ethyl 3-ethoxypropionate, CAS #: 763-69-9	<u>Acute toxicity</u> Fish (fathead minnow), 96hrs: LC50: 55.3 mg/L (OECD Test Guideline 203, static test) Aquatic invertebrates (Daphnia magna), 48hrs: EC50: >785 mg/L (OECD Test Guideline 202, Immobilization test) Aquatic plants (green algae), 72hrs: EC50: >114.86 mg/L (OECD Test Guideline 201, Growth inhibition) Microorganisms (bacteria), 16hrs: IC50: >5,000 mg/L (Growth inhibition) <u>Ecological Data</u> Biodegradation, 28 days: 100% - Readily biodegradable (CO ₂ Evolution test) Bioaccumulation: No data available Mobility in soil: No data available Results of PBT and vPvB assessment: Log Kow: 1.35; Log Koc: 1.52 (QSAR Model) An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

SECTION 13 – DISPOSAL CONSIDERATIONS




Product Disposal: The generation of waste should be avoided or minimized wherever possible. If product becomes a waste, it meets criteria of hazardous waste as defined in 40 CFR 261, Subpart C and D. Do not discharge into sewer system. Spill cleanup residues are subject to RCRA storage and disposal requirements.

Dispose waste in compliance with local, state and federal regulations via licensed waste disposal contractor. Preferred disposal method is burning in a chemical incinerator equipped with an afterburner and scrubber; extra care should be taken in igniting as this material is highly flammable.

EPA Hazardous Waste Code: D001 (Ignitable waste), RQ: 100 lbs

Container disposal: Even after emptying, container may retain residues. Do not heat or cut empty container with electric or gas torch since highly toxic vapors and gases can be formed. 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	Sea transport, IMDG:	Air transport, IATA/ICAO:
UN number:	UN 1866	UN 1866	UN 1866
UN proper shipping name:	Resin solution, flammable	Resin solution, flammable	Resin solution, flammable
Transport hazard class(es):	3	3	3
Packing group:	III	III	III
Hazard Label			
Special precautions:	Shipping descriptions are provided for informational purposes and do not consider container sizes and packaging. Certain exceptions may be applied as outlined in 49 CFR 173.150. Special Provisions: B1, B52, IB3, T2, TP1 Exceptions: 150; Non bulk: 173 / Bulk: 242 Passenger aircraft rail: 60L / Cargo aircraft only: 220L / Location: A		

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):

Fire Hazard, 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: No components are listed.

Occupational Exposure Limits:	
2-Methoxy-1-methylethyl acetate, CAS #: 108-65-6	TWA: 50 ppm USA. Workplace Environmental Exposure Levels (WEEL)
Ethyl 3-ethoxypropionate, CAS #: 763-69-9	TWA: 50 ppm; STEL: 100 ppm

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: 1 Fire: 2 Reactivity: 1 Special: 0

HMIS rating: Health: 1 Flammability: 2 Physical hazard: 1

State Regulations:

California Prop. 65 Components:

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

Released: February 19, 2016

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

International Regulations/Inventories:

Canadian Regulations: All components of this product are listed or are exempt from the DSL.

WHMIS Classification (Controlled Products Regulations): Class D2B: Material causing other toxic effects (Toxic)
Class B3: Combustible Liquid

WHMIS Label Information:



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
PACs / PAHs	Polycyclic Aromatic Compounds / Polycyclic Aromatic Hydrocarbon Content
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: February 19, 2016 – Preparation of SDS in accordance to the GHS requirements

Date of the previous revision: July 16, 2013

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.