

MATERIAL SAFETY DATA SHEET

Tricopolymer™- MSDS 10 Pages 1995-2014 TM Updated: June 08, 2014

Visit- www.tricopolymer.com



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Section 1 Product and Company Identification

Product Name: Lumber-Seal www.tricopolymer.com
Product class: Water reducible Tricopolymer™ Liquid
Product Use: Surface Coatings and Sealants

MANUFACTURER: TriSealUSA, LLC
1600 Stethem Ferry,
Johns Creek, Georgia 30022-USA
1-800-650-0553

24 HOUR EMERGENCY ASSISTANCE
TriSealUSA, LLC
1-800-650-0553 or 678-699-3704
or call your local poison control center

GENERAL MSDS ASSISTANCE - 1-800-650-0553-TriSealUSA, LLC
Attn: Michael Berry-Managing Partner-(678)-699-3704
Email- trisealusa@gmail.com

EPA Registered Company #90313-GA-oo1 HSTARIFF #2852.90.000 NMFC ITEM#50395

SECTION II HAZARD(S) IDENTIFICATION

Appearance And Odor:

Liquid is white emulsion with mild odor
Cured product is clear when dry without odor

Liquid Product:

HEALTH HAZARD: 0 FIRE HAZARD: 0 REACTIVITY: 0 CONTACT: 0

Cured Product:

Non-Flammable, Non-Carcinogenic, Non-Irritating, Non-Toxic

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

Meets Canada CERA requirements- Controlle Europe Registered-FDA Compliant

Safety Information

Eye Contact:

Liquid may be slightly irritating to eyes (if used improperly)

Skin Contact:

Liquid contact to intact skin is expected to be only slightly irritating to the skin but no serious dermatitis hazard is anticipated. Proper wash-up after application and before film dries are recommended.

Inhalation:

Paint grade mask required -No vapor is to be expected; however, particulate matter may become airborne when applying this product. Observe OSHA rules and regulations.

Ingestion/Swallowing:

Liquid is not expected to be toxic. If this product is ingested, Do Not induce vomiting, this may lead to chemical aspiration in the lungs potentially causing chemical pneumonitis which may be fatal.

Signs And Symptoms:

Mild to moderate irritation to eyes and skin as noted.

Aggravated Medical Conditions:

Persons with preexisting eye or skin disorders or impaired liver or kidney may be more susceptible to the affects of liquid exposure to this product.

Other Health Effects:

None.

Carcinogenicity:

This material **does not** contain any chemical listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the Occupational Safety and Health Administration (OSHA), and Canada CERE/WHMIS as a carcinogen.

SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

NO.	COMPOSITION	CAS NO.	PERCENT
1.	Tricopolymer™	Proprietary	99%
2.	Wetting agents-Water based (nonionic and cationic)		<1%

Ingredients verified by ORMI-NOP- WERCS

(services retained to protect Trade Secret and processes of components)

SECTION IV FIRST-AID MEASURES

Eye Contact:

Immediately flush eyes with water for at least fifteen minutes, lifting lower and upper eyelids occasionally. If irritation persists for more than 30 minutes, seek medical attention.

Skin Contact:

Remove saturated clothing/shoes. Wash skin with soap or mild detergent and water for at least 15 minutes. If irritation develops or persists, seek medical attention.

Inhalation:

No vapor is expected, but if airborne particles are inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion:

If conscious, give person 1 to 2 glasses of water and then induce vomiting immediately as directed by medical personnel. Get immediate medical attention. Never give anything by mouth to an unconscious person. Children- should seek immediate physician's advice.

Note To Physician:

If more than 2.0 ml per kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

SECTION V FIRE-FIGHTING MEASURES

Flash Point(closed cup): >171+°F (ASTM D93) 209 deg. boiling point

Flammable Limits:

Lower Explosive Limit (LEL): None

Upper Explosive Limit (UEL): None

Extinguishing Media:

Liquid product does not burn. The product will only burn after the water it contains is driven off. For cured product use carbon dioxide, foam, dry chemical or water fog to extinguish fire. Aqueous solution is not flammable.

Special Fire Fighting Procedures and Precautions: None

Unusual Fire and Explosion Hazards: None

SECTION VI ACCIDENTAL RELEASE MEASURES**Small Spill:**

Take up with an absorbent material and dispose of at any landfill.

Large Spill:

Containment Technique: Stop spilled material from being released into the environment. Vacuum material up or dry then pick up remaining plastic. Wet area and clean up before product dries. Ventilate the space involved. Wash area well.

Clean-up Procedures:

Wear suitable protective equipment. Transfer to containers by suction, preparatory for later disposal. Place in suitable containers for recovery or dis-

posal. Flush area with water spray. Wash contaminated property before the product cures. See Section 13 for disposal assistance. Wash area well.

Special Instructions (for accidental release):

Spilled product is very slippery. Use care to avoid falls. A film will form on drying. Remove saturated clothing and wash contacted skin area with soap and water. Allow spill to dry, pick up and recycle or dispose at Landfill.

SECTION VII HANDLING AND STORAGE

Storage:

Do not allow product to freeze or stand in direct sunlight. Keep containers closed when not in use to minimize contact with air. Keep in temperature range of 40 to 100 degrees.

Handling: Use only in well-ventilated areas. Avoid contact with eyes. Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Maintain general hygiene practices when using this product. Wear disposable clothing.

SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

General industrial hygiene practices should be employed when using this product.

Personal Protective Equipment:

Eye Protection: Safety glasses with top and side shields
Skin Protection: Disposable gloves; Coveralls
Inhalation Protection: NIOSH Mask, Adequate ventilation

Precautionary Measures:

Avoid contact with skin and eyes. Wash thoroughly after handling

Exposure Limits:

PEL(OSHA): Not established
TLV (ACGIH): Not established

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Milky White (transparent when cured)
Odor:	Mild/Slight (odorless when cured)
pH	N/A
Boiling Point:	> 100.00°C (>212.00°F)
Freezing Point:	<0°C (<32°F) Freeze resistant when dry
Specific Gravity (H₂O = 1):	9.432
Vapor Pressure (Mm Hg):	Not Determined
Melting Point (°F):	N/A
Solubility In Water:	Infinitely Dispersed
Vapor Density (Air = 1):	N/A Voc: <0% Method 24 used

Evaporation Rate

(Normal Butyl Acetate = 1): <0.1

NO VOC

Water and soap cleanup

SECTION X STABILITY AND REACTIVITY

Stability:

Stable under ordinary conditions of use and storage. Agglomeration may occur following freezing or boiling of liquid product.

Hazardous Polymerization:

Will not occur

Incompatibility:

Strong acids

Hazardous Decomposition Products:

Carbon monoxide and unidentified organic compounds may be formed during combustion. Thermal decomposition may produce various hydrocarbons and irritating, acrid vapors.

SECTION XI TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀:

>25 mL/kg (Rat)

Acute Dermal LD₅₀:

> 5 mL/kg (Rabbit)

Acute Inhalation LD₅₀:

No mortality at 592 PPM/4H (Rat)

Chronic/Carcinogenicity:

This product does not contain any chemical currently listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the Occupational Safety and Health Administration (OSHA) as a carcinogen.

SECTION XII ECOLOGICAL INFORMATION

Ecotoxicity:

Common Name	Genus/species	Test Type	LC ₅₀ /Survival (%)	Comment
Rainbow Trout	<i>Oncorhynchus mykiss</i>	96-Hour Acute	>1,000 mg/L	
Water Flea	<i>Daphnia magna</i>	96-Hour	>1,000 mg/L	

			Acute		
Sheepshead Minnow	<i>Cyprinodon variegatus</i>	96-Hour	Acute	>10,000 mg/L	
Mysid Shrimp	<i>Americamysis bahia</i>	96-Hour	Acute	>1,000 mg/L	
Fathead Minnow	<i>Pimephales promelas</i>	96-Hour	Acute	100%	Leachate from cured product

HoneyBee All species No reported deaths 8 year usage

Environmental Fate:
MFG.Considered eco-green-cradle to grave.

SECTION XIII DISPOSAL CONSIDERATIONS

Hazard Class:
The product in its purchased form is not a hazardous waste as characterized by the Federal Resource Conservation and Recovery Act (RCRA) under 40 CFR 261 or the California hazardous waste control law under CCR Title 22, Division 4.5. Disposal of the product is not regulated under RCRA or the California Department of Toxic Substances Control (DTSC). Individual state or local hazardous waste regulations may apply if they differ from those required by RCRA or DTSC. Consult federal, state and local regulations to ensure that this product and its containers, if discarded, are disposed of in compliance with all regulatory requirements.

Disposal:
The wastes resulting from the direct use of this product may be disposed of onsite or at an approved waste disposal facility. Do not contaminate water, food, or feed by storage or disposal. Product imparts a milky white color to contaminated waters. Foaming may result. Sewage treatment plants may not be able to remove the white color imparted to the water. NOTE: As supplied or diluted, product material (foam included), when splashed on automobiles or other personal property, is difficult to remove if allowed to dry.

SECTION XIV TRANSPORTATION REQUIREMENTS

Department Of Transportation (DOT) Classification:
Class 1V (nonflammable-nontoxic liquid), III –Class 60 -Controlle Europe

DOT Proper Shipping Name:
Tricopolymer Liquid solution –HS Tariff 2852.90.000 HST 3209 USA

DOT Hazard Class: Non-Toxic class 60

DOT Non-Bulk Shipping Name:
Refer to Bill of Lading - Not DOT Regulated // Keep from Freezing // Not dangerous goods

SECTION XV REGULATORY INFORMATION

TSCA Section 8(b) Inventory Status: All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory. None are listed as hazardous.

TSCA Section 12(b) Export Notification: HST #2852.90.00

This material does not contain any components that are subject to the U.S. Toxic Substances Control Act (TSCA) Section 12 (b) Export Notification requirements, or Canada applicable WHMIS symbols. No GHS hazard rating or symbol required due to nontoxicity rating. Independent Testing-ASTM.

OSHA Hazard Communication Standard

- (29 CFR 1910.1200) hazard class(es): None

This material is not classified as hazardous under the criteria of the U.S. Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200

EPA SARA Title III Section 304 CERCLA: NA

Reportable quantities have not been established for any of this material's components.

EPA SARA Title III Section 311/312 HAZARD COMMUNICATION STANDARD (HCS):

This material is not a hazardous chemical.

EPA SARA Title III Section 313 TOXIC CHEMICAL LIST (TCL)

This product does not contain Section 313 Reportable Ingredients.

EPA RCRA:

This product is not regulated under RCRA

EPA Clean Air Act (1990):

This product does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances per 40 CFR Part 82.

State Regulations:

California: This product is not regulated as a hazardous waste under CCR Title 22, Division 4.5., and passes prop 65.

Canada HMIS -Personal protection and equipment letter-C

SECTION XVI OTHER INFORMATION

The information contained herein is based on the data available to us and is believed to be correct. However, TriSealUSA,LLC makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. TriSealUSA,LLC assumes no responsibility for injury or misuse of the product described herein. If you wish to receive updates to this information please contact TriSealUSA,LLC general MSDS assistance line at 1-800-650-0553, or by facsimile at 770-818-5414, or email-trisealusa@gmail.com

User Responsibility:

Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**BE SAFE. READ OUR PRODUCT
INFORMATION...AND
PASS IT ON. (PRODUCT
LIABILITY LAW REQUIRES IT)**

**TriSealUSA, LLC SAFETY
Attn: Mike Berry
1600 Stethem Ferry
Johns Creek, Ga. 30022
1-800-650-0553**

TricopolymerTM -General Product Information

Product Information provided remains property of TriSealUSA and may be distributed under written permission of same. Manufacturer's findings and tests made cover a span between 1995 to June 2014. Check for warranty information updates. Some product variations are designed in the final 'recipe' according to desired outcome.

Test Ratio- Full Strength- Saturation Rate applied- 100%- 1-3 mil thickness avg. Best application method- Commercial power sprayer.

Dries Clear. Do not dilute. Spray according to Label Directions. Tintable. May be added to water-based paints. Do not apply to driveways or walking surfaces.

Application Rate-Varies as to product- average is 400-1600 sq.ft.-per gallon- using low pressure-moderate volume, med. Tip. Apply until surface is wet-keep moving until finished if possible.

EPA Registered Company- 90313-GA-001 HS TARRIF 3209

Meets EPA exemption-FIFRA regulations. DOT Regulations Class 60.

Exceeds ASTM C-1071 Requirements for coatings.

Meets or exceeds ASTM standards C1071-coating, D3359-08, C-1520-02, E2418-06, inspection E1903-97(2002 revision), D3273, D5590, and many others according to product recipe type

Toxic rating - 0 -Non-Toxic- Methods tested-rat/rabbit/rainbow trout/daphnid/flathead minnow/saltwater fish/bees/Humans

No Leaching, ASTM Rating-10.0- Resistance to wash-off when dry- 99.9%

Full water immersion test- 100% retention over 119+ months. No delamination or dissolving of film noted.

Prevents nail and hardware rusting and oxidation. Use to seal interior brick, concrete, cinder block and underlayment.

ASTM-D3273, D5590-Enviro-chamber-60+day for mold / mildew / fungal resistance - (30 day is normal test)-365+days-tropical-10.0

Prevents 'mineral fiber dusting' in HVAC Ducting. Freeze resistant when dry-minus 20 degrees.

Great for plywood, OSB, all subflooring, trusses, and engineered wood. Prevents chemical leach-out in Pressure Treated wood.

Not Hazardous under State of California regulations, Landfill and wash-out method approved for disposal (Calif. Rules). 65 compliant

Boiling point-212 degrees- Flash Point- 170+ degrees. PH-8.0 to 3.0 depending on product type. Hot radiator surface-220 degrees.

Permeation Rate- .001 to 12 % depending on product type. Adhesion rate-98.90% (normal paint primer is 75-91%),

No VOC's. (0-VOC)-Optical quality- Milky white when in liquid/wet state. Clear to slightly transparent when dry.

Flexural strength-3 times stretch, 100% when applied. Film is UV resistive without additives. LEED qualified product 4.5, when applied to schools, 1 LEED point in general use.

Non-reactive to ferrous or non-ferrous metals. Test on surfaces for appearance properties before using.

Cautions: Observe OSHA Safety Rules and Regulations.

History of Tricopolymer Product- Since May 1995.

Does not mix with gasoline, kerosene, oil or oil based paints. Do not inject. Stain wood surfaces first before applying product.

Store above 35 degrees, but not over 120 degrees. Strain before spraying as usual with coatings. Observe OSHA Rules and Regulations. Cover personal belongings; wear eye protection, hair and skin protection. Niosha mask 60 is required. Do not run HVAC while applying. Will handle most desert application conditions. Keep Buckets away from children and pets. Do not inject or inject. Clean copper before soldering, do not spray into electrical boxes, heating elements, oily surfaces, and valuable objects. Tarp over important non-application areas with rubber backed drop cloths only. User assumes end use risk. Site reports must be submitted for warranty for each project. Manufacturer is not responsible for prior issues, labor, spray equipment or repair, application, spills, completion or timely delivery. No warranty or guarantee is inferred in this document. Some rights vary from State to State.

Tricopolymer Regulatory Information-

VOCs ? No- Zero EPA Method 24 , ASTM D3792

Petroleum derivatives? No

Chemicals known to cause cancer? No

Chemicals known to cause reproductive harm? No

Chemicals known to cause developmental toxicity? No

Meets or exceeds Proposition 65? Yes, No harmful or controlled ingredients listed for any state

Meets SARA 313, 304,302? No harmful or controlled ingredients listed

EPA Registered Company 90313-GA-001 - No harmful or controlled ingredients listed

IARC- No harmful or controlled ingredients listed or used

NTP-National Toxicology Program- No harmful or controlled ingredients used

NIOSH- No harmful or controlled ingredients listed for mask blockage

OSHA- Use and labeling requirements met

Canadian DSL- No harmful or controlled ingredients listed, not a drug source

No Required WHMIS label- Protection Class C

Canadian NDSL- No harmful or controlled ingredients listed

European EINECS- All ingredients are listed

Controlee Europe- Registered- meets all packaging and import/export regulations-UN Containers

NAFTA-Mexico/Canada- registered DOT class 60

UPS/USPS/FEDEX- registered with several carriers, Hellman Export -HS TARRIF 3209

Philippines Chemical Inventory Control- PICCS-All ingredients are registered

Australian Inventory of Chemical Substances-AICS- All ingredients are registered

ASTM-Member since 2000- testing of product meets or exceeds requirements

Independent Testing- Rengo, Block Environmental, K-Prime, Test America, University of Oregon

American Beekeeping Federation- 20 test hives spanning 5+ years

History of product- Since 1995

Questions? Call us 1-800-650-0553-or visit www.tricopolymer.com- Fax @ 770-818-5414
Email at- tricopolymer@gmail.com or trisealusa@gmail.com

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