

**SECTION 1: IDENTIFICATION****Product Identifier****Product Form:** Mixture**Product Name:** ElastoPav SA - All-Purpose Roofing Sealant / Adhesive**Product Code:** F022103**Intended Use of the Product**

Roofing Sealant / Adhesive

**Name, Address, and Telephone of the Responsible Party****Manufacturer**

BITEC, Inc.

#2 Industrial Park Drive

Morrilton, AR 72110

T-800-535-8597

F-501-354-3019

www.bitec.com

**Emergency Telephone Number****Emergency Number:** 1-800-535-8597**SECTION 2: HAZARDS IDENTIFICATION****Classification of the Substance or Mixture****Classification (GHS-US)**

Skin Irrit. 2A H315

Skin sens. 1 H317

STOT RE 2 H373

**Label Elements****GHS-US Labeling****Hazard Pictograms (GHS-US)****Signal Word (GHS-US)**

: Warning

**Hazard Statements (GHS-US)**

: H315 – Causes serious eye irritation

H317 – May cause an allergic skin reaction

H373 – May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements (GHS-US)**

: Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing must not be allowed out of the workplace

Do not breathe dust, fume, gas, mist, vapors and spray

Wear protective gloves, eye protection and face protection

Get medical advice/attention if you feel unwell

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 and attention

IF ON SKIN: Wash with plenty of water and soap

If skin irritation or rash occurs: Get medical advice and attention

Wash contaminated clothing before reuse

Dispose of contents and container to an approved waste disposal plant

May be harmful in contact with skin. May be harmful if inhaled.

**Other Hazards****Other Hazards Not Contributing to the Classification:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.**Unknown Acute Toxicity (GHS-US)**

No data available

**Disclaimer** ATTENTION! Some of the additives disclosed in Section 3 such as Carbon Black, Crystalline Silica, and or Titanium Dioxide are regulated by California Proposition 65 as carcinogens when they are in the form of "airborne, unbound particles of respirable size." Since the disclosed materials are bound in the polymer matrix, they will not be available as an airborne hazard (dust, mist, or spray) under normal conditions of use. Therefore, this product does not present a respiration hazard as outlined by the Prop 65 regulations**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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## Mixture

Name	Product identifier	% (w/w)
Calcium Carbonate	471-34-1	20 - 40
Limestone	1317-65-3	10 - 20
Titanium Dioxide	13463-67-7	1 - <5
Stearic Acid	57-11-4	1 - <5
Proprietary Dehydration Agent	Trade secret	1 - <5
Proprietary Adhesion Promoter	Trade secret	1 - <5
Crystalline Silica	14808-60-7	<0.1
Carbon Black	1333-86-4	<0.1

Full text of H-Phrases: See Section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**First-aid Measures General:** Show this material safety data sheet to the doctor in attendance.

**First-aid Measures After Inhalation:** Remove to fresh air.

**First-aid Measures After Skin Contact:** Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**First-aid Measures After Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**First-aid Measures After Ingestion:** Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** Do not use water jet. Use of heavy stream of water may spread fire.

### Special Hazards Arising from the Substance or Mixture

Product is or contains a sensitizer. May cause sensitization by skin contact. Containers may explode when heated.

### Advice for Firefighters

**Protection During Firefighting:** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection. Use proper PPE.

**Emergency Procedures:** Ventilate area. Evacuate unnecessary personnel. Eliminate ignition sources. Stop leak if safe to do so. Prevent entry to sewers and public waters.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Absorb and/or contain spill with inert material.

**Methods for Cleaning Up:** Collect spillage. Clear up spills immediately and dispose of waste safely.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

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## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Contaminated work clothing should not be allowed out of the workplace.

### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### Exposure Limits

<u>Chemical name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH</u>
Calcium Carbonate 471-34-1	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Limestone 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Titanium Dioxide 13463-67-7	TWA: 0.2 mg/m <sup>3</sup> nanoscale respirable particulate matter TWA: 2.5 mg/m <sup>3</sup> fine scale respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> CIB 63 fine TWA: 0.3 mg/m <sup>3</sup> CIB 63 ultrafine, including engineered nanoscale
Stearic Acid 57-11-4	TWA: 10 mg/m <sup>3</sup> inhalable particulate matter TWA: 3 mg/m <sup>3</sup> respirable particulate matter	-	-
Crystalline Silica 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter	TWA: 50 µg/m <sup>3</sup> (vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Carbon Black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable particulate matter	TWA: 3.5 mg/m <sup>3</sup> (vacated) TWA: 3.5 mg/m <sup>3</sup>	IDLH: 1750 mg/m <sup>3</sup> TWA: 3.5 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

<u>Chemical name</u>	<u>Alberta</u>	<u>British Columbia</u>	<u>Ontario</u>	<u>Quebec</u>
Calcium Carbonate 471-34-1	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>

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Limestone 1317-65-3	TWA: 10 mg/m3	TWA: 10 mg/m3 TWA: 3 mg/m3 STEL: 20 mg/m3	-	TWA: 10 mg/m3
Titanium Dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 10 mg/m3 TWA: 3 mg/m3	-	TWA: 10 mg/m3
Stearic Acid 57-11-4	-	TWA: 10 mg/m3 TWA: 3 mg/m3	TWA: 10 mg/m3 TWA: 3 mg/m3	TWA: 10 mg/m3
Proprietary Dehydration Agent	-	-	STEL: 10 ppm STEL: 60 mg/m3	-
Crystalline Silica 14808-60-7	TWA: 0.025 mg/m3	TWA: 0.025 mg/m3	TWA: 0.10 mg/m3	TWA: 0.10 mg/m3
Carbon Black 1333-86-4	TWA: 3.5 mg/m3	TWA: 3 mg/m3	TWA: 3 mg/m3	TWA: 3 mg/m3

### Exposure Controls

**Appropriate Engineering Controls:** Showers. Eyewash stations. Ventilation systems.

### Personal Protective Equipment

**Hand Protection:** Wear suitable gloves

**Eye Protection:** Chemical goggles or safety glasses with side shields.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required

**Other Information:** When using, avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Paste
Odor	: Not applicable
Flash Point	: Not determined
Vapor Pressure	: Not determined
Specific Gravity	: Not determined
Solubility	: Not determined
Volatile Organic Compounds	: Not determined

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Product is stable under recommended handling and storage conditions (see Section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** None known based on information supplied.

**Incompatible Materials:** None known based on information supplied.

**Hazardous Decomposition Products:** None known based on information supplied.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information On Toxicological Effects – Product

#### Product

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May be harmful if inhaled.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause irritation. Prolonged contact may cause redness and irritation. May be harmful in contact with skin.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes.

### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

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ATEmix (oral)	18,716.00 mg/kg
ATEmix (dermal)	4,049.70 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	102.40 mg/l
ATEmix (inhalation-vapor)	366.90 mg/l

### Unknown acute toxicity

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium Carbonate 471-34-1	= 6450 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 3 mg/L ( Rat ) 4 h
Titanium Dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	= 5.09 mg/L ( Rat ) 4 h
Stearic Acid 57-11-4	= 4600 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Proprietary Dehydration Agent	= 7340 µL/kg ( Rat )	= 3.54 mL/kg ( Rabbit )	= 16.8 mg/L ( Rat ) 4 h
Proprietary Adhesion Promoter	= 2413 mg/kg ( Rat )	> 2009 mg/kg ( Rabbit )	1.49 - 2.44 mg/L ( Rat ) 4 h
Carbon Black 1333-86-4	> 15400 mg/kg ( Rat )	-	> 4.6 mg/m3 ( Rat ) 4 h

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** May cause skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No information available.

### Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide 13463-67-7	A3	Group 2B	-	X
Crystalline Silica 14808-60-7	A2	Group 1	Known	X
Carbon Black 1333-86-4	A3	Group 2B	-	X

### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

**A3** - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

**Group 2B** - Possibly Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

**X** - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** No information available.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology – General:** Very toxic to aquatic life with long lasting effects.

Stearic Acid	
LC50 Brachydanio rerio	<3000 mg/L 96 hours
LC50 Danio rerio	>1000 mg/L 96 hours

Proprietary Dehydration Agent	
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LC50 Oncorhynchus mykiss	191 mg/L 96 hours
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## Bioaccumulative Potential

Stearic Acid	
Partition coefficient	3.3

## Mobility in Soil

No additional information available

## Other Adverse Effects

Other Information: Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Additional Information:** Prevent runoff from entering drains, sewers, or waterways.

## SECTION 14: TRANSPORT INFORMATION

### In Accordance with DOT

Proper Shipping Name : Not regulated  
Hazard Class :  
Identification Number :  
Packing Group :

### In Accordance with IMDG

Proper Shipping Name : Not regulated  
Hazard Class :  
Identification Number :  
Packing Group :  
Marine pollutant : No

### In Accordance with IATA

Proper Shipping Name : Not regulated  
Hazard Class :  
Identification Number :  
Packing Group :

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

#### International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

#### International Inventories

TSCA All ingredients are listed or exempt.  
DSL/NDSL All ingredients are listed or exempt.  
EINECS/ELINCS Contact supplier for inventory compliance status.  
ENCS Contact supplier for inventory compliance status.  
IECSC Contact supplier for inventory compliance status.  
KECL Contact supplier for inventory compliance status.  
PICCS Contact supplier for inventory compliance status.  
AIIC Contact supplier for inventory compliance status.  
NZIoC Contact supplier for inventory compliance status.

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

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**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

## US Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## US State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Titanium Dioxide - 13463-67-7	Carcinogen
Crystalline Silica - 14808-60-7	Carcinogen
Carbon Black - 1333-86-4	Carcinogen

See disclaimer in section 2.

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 03/27/2026

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### Party Responsible for the Preparation of This Document

BITEC, Inc.  
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*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*

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