



# MATERIAL SAFETY DATA SHEET

H.M.I.S. RATING	
Health	2
Flammability	2
Reactivity	0
Protective Equip.	

**PRODUCT NAME:** TROPICAL - #410 QUICK DRY PRIMER

**PRODUCT CODE:** TM410

## SECTION I - MANUFACTURER IDENTIFICATION

FLORIDA PLANT	CALIFORNIA PLANT	TEXAS PLANT
<b>Address:</b> 1904 S.W. 31ST Ave. Hallandale Beach, FL 33009	<b>Address:</b> 14435 Macaw Street La Mirada, California 90638	<b>Address:</b> 1225 Brai Drive - P.O. Box 5335 Port Arthur, Texas 77640
<b>E-mail:</b> info-fl@tropicalroofingproducts.com	<b>E-mail:</b> info-ca@tropicalroofingproducts.com	<b>E-mail:</b> info-tx@tropicalroofingproducts.com
<b>Information Phone #:</b> (800) 432-2855	<b>Information Phone #:</b> (877) 827-2622	<b>Information Phone #:</b> (866) 727-0091
<b>Emergency Phone #:</b> (800) 424-9300	<b>Emergency Phone #:</b> (800) 424-9300	<b>Emergency Phone #:</b> (800) 424-9300

**DATE PREPARED:** June 8, 2005

**DATE REVISED:** August 22, 2012

**PRIMARY CONTACT:** Technical Services

**E-MAIL FOR ABOVE:** technical@tropicalroofingproducts.com

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE	
	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER	mm Hg	@ TEMP
PETROLEUM ASPHALT/BASE ASPHALT	8052-42-4	N/E	.5MG/M3	5MG/M3	3.0	68F
AROMATIC HYDROCARBON/AROMATIC 100	64742-95-6	100PPM	100PPM	N/A	1.0	68F
STODDARD SOLVENT/MINERAL SPIRITS	8052-41-3	100PPM	100PPM	N/A	3.4	68F

There are no S.A.R.A. Section 313 ingredients in this material in excess of de minimis amounts. Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

Generally, the above ingredients that do not possess a vapor pressure are pigments and are only hazardous as airborne particles when the coating begins to degrade.

The HMIS (Hazardous Materials Identification System) codes at the upper right area of this page are recognized by OSHA. The PERSONAL PROTECTION code is left blank on Tropical Roofing Products MSDSs as it depends on application technique and workplace ventilation. Please read all other sections of this MSDS before deciding on the appropriate protective equipment and beginning work.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING POINT:** 315 Deg F

**VAPOR DENSITY:** HEAVIER THAN AIR

**COATING V.O.C.:** 2.40 LB/GL (288 GR/LT)

**MATERIAL V.O.C.:** 2.40 LB/GL (288 GR/LT)

**SOLUBILITY IN WATER:** Insoluble

**APPEARANCE AND ODOR:** Dark colored liquid with solvent odor.

**SPECIFIC GRAVITY (H2O=1):** 1.0

**EVAPORATION RATE:** SLOWER THAN ETHER

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** 106 Deg F**METHOD USED:** T.C.C.**FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 0.7%**UPPER:** 6.0%**EXTINGUISHING MEDIA:** FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG**SPECIAL FIRE FIGHTING PROCEDURES**

Water may be ineffective in extinguishing fire. Use self-contained breathing apparatus.

Do not use water stream on burning liquid. If water is used to cool containers near fire, fog nozzles are preferred.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Closed containers may explode when exposed to extreme heat or fire. Material may splatter if exposed to extreme heat.

Decomposition of burning material may cause toxic gases to form, which may include carbon dioxide and carbon monoxide.

**SECTION V - REACTIVITY DATA****STABILITY:** STABLE**CONDITIONS TO AVOID**

Elevated temperatures and build up of vapors. Heat, sparks and open flame. Avoid free fall.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Oxidizers, acids and bases.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Burning or decomposing film may give off carbon dioxide and or carbon monoxide.

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR****SECTION VI - HEALTH HAZARD DATA****INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Breathing difficulty, lightheadedness, headache, dizziness and nausea. Irritation to the nose, throat and lungs.

Prolonged inhalation may lead to mucous membrane irritation, central nervous system depression, and unconsciousness.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Irritation and watering of the eyes.

Prolonged or repeated contact can cause blurred vision and corneal injury.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Irritation of skin, redness and possible swelling.

Prolonged or repeated contact can cause dermatitis, defatting. Can be absorbed through skin.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Choking difficulty in breathing, gastrointestinal irritation, nausea and vomiting.

Nervous system depression, which can include drowsiness, dizziness, loss of coordination and fatigue.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Breathing difficulty, headache, dizziness, nausea and irritation to the respiratory tract. Causes eye and skin irritation.

Irritation of the digestive tract and nervous system depression.

Prolonged and repeated overexposure may cause permanent brain and or nervous system damage. Can cause dermatitis.

Sanding dust inhalation may cause lung damage. Intentional misuse through inhalation may be harmful or fatal.

**CARCINOGENICITY: NTP?** NO**IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO

This product may contain trace amounts of crystalline silica, which is considered a hazard by inhalation that can cause silicosis.

Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

**SECTION VI - HEALTH HAZARD DATA (CONTINUED)****MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Ingredients in this product are reported to aggravate preexisting eye, skin, respiratory, kidney and liver disorders.

**EMERGENCY AND FIRST AID PROCEDURES**

Eye contact: Flush with large quantities of water for at least 15 minutes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Administer oxygen if necessary. Seek immediate medical attention.

Skin contact: Wash thoroughly with soap and water. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water to dilute. Obtain medical attention immediately.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Avoid contact and breathing of vapors. Ventilate area. Remove ignition sources. Dike and absorb with absorbent material.

Use nonsparking tools to return material to container. Prevent material from entering sewers or open bodies of water.

**WASTE DISPOSAL METHOD**

Do not incinerate closed containers.

Dispose of in accordance with Federal, State and Local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Keep out of reach of children. Do not take internally. Avoid contact with eyes and prolonged contact with skin.

When storing, close tightly, keep upright, away from fire and high temperatures. Transfer to approved containers with complete and appropriate labeling. Avoid freefall and ground containers when transferring. Do not cut or weld empty drum.

Remove contaminated clothing and launder before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

**OTHER PRECAUTIONS**

Warning! If you scrape, sand or remove an old coating, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log onto [www.epa.gov/lead](http://www.epa.gov/lead).

**SECTION VIII - CONTROL MEASURES****RESPIRATORY PROTECTION**

Use only with adequate ventilation. Provide adequate fresh air entry. If not wear the proper respiratory protection.

If ventilation is inadequate use an organic vapor/particulate respirator approved by NIOSH/MSHA for spray/mist vapors.

When sanding a dried coating film use a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated.

**VENTILATION**

Local exhaust preferable. If venting, discharge exhaust away from ignition sources.

If in confined areas, use mechanical ventilation to keep vapor concentration under permissible TLV and LEL.

**PROTECTIVE GLOVES**

Solvent impermeable rubber gloves required during repeated contact.

**EYE PROTECTION**

Splash resistant and spray mist protection required. Use splash goggles or safety glasses with side shields.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Clothing adequate to protect skin. Remove and wash before reuse.

Eye wash, safety shower.

**WORK/HYGIENIC PRACTICES**

Normal industrial hygienic practices should be followed. Wash hands before eating, smoking or using the washroom.

===== SECTION IX - TRANSPORTATION DATA =====

**DOT**

**Non-Bulk** Not Regulated (Combustible liquid Non-Bulk)

**IMDG**

IMDG Code 2.3.2.5 - exempted from marking, labeling and testing of packages

===== SECTION X - STATE ADDENDUM =====

<u>Ingredient</u>	<u>CAS Number</u>	<u>Notes</u>
MINERAL SPIRITS	8052-41-3	A Washington State Permissible Exposure for Air Contaminants material
MINERAL SPIRITS	8052-41-3	A Massachusetts Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Minnesota Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Pennsylvania Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Florida Toxic Substance List material
MINERAL SPIRITS	8052-41-3	A New Jersey RTK Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Massachusetts Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Minnesota Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Pennsylvania Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Washington State Permissible Exposure for Air Contaminants material
PETROLEUM ASPHALT	8052-42-4	A Florida Toxic Substance List material
PETROLEUM ASPHALT	8052-42-4	Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.
AROMATIC 100	64742-95-6	See current Material Safety Data Sheet

===== SECTION XI - DISCLAIMER =====

All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.



# Safety Data Sheet

Tropical Roofing Products  
TRP-1

Revision Date 19-Sep-2016  
Supersedes Date: No information available  
Version 2

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

Product Name TRP-1 Ultra Seal Multi Purpose Adhesive Sealant  
Product Code TRP-1

Product(s) Covered See section 16 for more information

### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use Adhesives, sealants.  
Uses Advised Against No information available

### 1.3. Details of the Supplier of the Safety Data Sheet

#### Company Name

Tropical Roofing Products  
11818 SW 31st Avenue  
Hallandale, FL 33009  
Phone: +1 (800) 535-6947 (Domestic Toll Free)  
Fax: +1 (954) 963-2033  
Email: technical@tropicalroofingproducts.com

### 1.4. Emergency Telephone Number

Emergency Telephone Telephone: 1-800-227-0332  
(Outside U.S.) 1-703-527-3887

## Section 2: HAZARD IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

Skin sensitization	Category 1
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### 2.2. Label Elements

#### EMERGENCY OVERVIEW

#### WARNING

#### Hazard statements

May cause an allergic skin reaction





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<b>Appearance</b> Paste	<b>Physical State</b> Solid	<b>Odor</b> Odorless
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### Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

### Precautionary Statements - Response

Specific treatment (see first aid measures on this label)  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

### Precautionary Statements - Storage

Not applicable

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Hazards Not Otherwise Classified (HNOC)

Not applicable

### Unknown Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

### 2.3. Other Information

May be harmful if swallowed. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

This product is a mixture. Health hazard information is based on its components.

### 3.2 Mixtures

Chemical Name	CAS No.	Weight-%
Limestone	1317-65-3	30 - 60
Polypropylene glycol	25322-69-4	5 - 10
Carbonic acid, calcium salt (1:1)	471-34-1	1 - 5
Titanium dioxide	13463-67-7	1 - 5
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine	1760-24-3	0.1 - 1
Quartz	14808-60-7	0.1 - 1
Carbon black	1333-86-4	0.1 - 1
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	0.1 - 1

*The exact percentage (concentration) of composition has been withheld as a trade secret.*

## Section 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

#### General Advice

Remove contaminated clothing and shoes. If medical advice is needed, have product container or label at hand.

#### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult an physician.



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<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).
<b>Self-protection of the First Aider</b>	First aider: Pay attention to self-protection.

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

**Symptoms** None known.

## 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to physicians** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## 4.4. Reference to Other Sections

**Reference to Other Sections** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 11: TOXICOLOGY INFORMATION

## **Section 5: FIRE-FIGHTING MEASURES**

### 5.1. Extinguishing Media

#### **Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Water spray or fog. Alcohol resistant foam.

#### **Unsuitable Extinguishing Media**

Full water jet.

### 5.2. Special Hazards Arising from the Substance or Mixture

#### **Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

#### **Explosion Data**

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

### 5.3. Advice for Firefighters

#### **Protective Equipment and Precautions for Firefighters**

In case of fire: Wear self-contained breathing apparatus. Do not allow run-off from fire-fighting to enter drains or water courses.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protection equipment. Avoid contact with skin, eyes or clothing.

### 6.2. Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter



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into soil/subsoil. See Section 12 for additional Ecological Information.

## **6.3. Methods and Material for Containment and Cleaning up**

**Methods for Containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for Cleaning up** Use personal protective equipment as required. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

## **6.4. Reference to other sections**

**Reference to Other Sections** Section 7: HANDLING AND STORAGE  
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## **Section 7: HANDLING AND STORAGE**

### **7.1. Precautions for Safe Handling**

**Advice on Safe Handling** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Fire prevention measures. No special measures are necessary.

### **7.2. Conditions for Safe Storage, including any Incompatibilities**

**Storage Conditions** Protect from moisture. Keep away from food, drink and animal feeding stuffs. Recommended storage temperature. 10 - 35 °C.

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

### **7.3. Specific End Use(s)**

**Specific Use(s)** Sealant. Observe technical data sheet.

**Other Information** No information available.

### **7.4. References to Other Sections**

**Reference to Other Sections** Section 13: DISPOSAL CONSIDERATIONS  
Section 10: STABILITY AND REACTIVITY

## **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control Parameters**

**Exposure Guidelines** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. As Titanium dioxide (13463-67-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Carbon black (1333-86-4) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Limestone CAS 1317-65-3 and Calcium carbonates CAS 471-34-1 is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.





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Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Limestone 1317-65-3	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Carbonic acid, calcium salt (1:1) 471-34-1	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	-	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust	: (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total 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	TWA: 0.1 mg/m <sup>3</sup>
Carbon black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable fraction	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	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>
Tin, dibutylbis(2,4-pentanedionat o-o,o'), (OC-6-11)- 22673-19-4	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn	TWA: 0.1 mg/m <sup>3</sup> Sn	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup>

Chemical Name	Argentina	Brazil	Chile	Venezuela
Limestone 1317-65-3	TWA: 10 mg/m <sup>3</sup>	-	TWA: 8 mg/m <sup>3</sup>	-
Carbonic acid, calcium salt (1:1) 471-34-1	-	-	-	TWA: 10 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	-	-	TWA: 10 mg/m <sup>3</sup>
Quartz 14808-60-7	TWA: 0.05 mg/m <sup>3</sup>	-	TWA: 0.08 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>
Carbon black 1333-86-4	TWA: 3.5 mg/m <sup>3</sup>	-	-	TWA: 3.5 mg/m <sup>3</sup>
Tin, dibutylbis(2,4-pentanedionat o-o,o'), (OC-6-11)- 22673-19-4	TWA: 0.1 mg/m <sup>3</sup> Skin STEL: 0.2 mg/m <sup>3</sup>	-	TWA: 0.08 mg/m <sup>3</sup> Skin	Skin STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	Mexico
Methyl alcohol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 310 mg/m <sup>3</sup>

Chemical Name	Argentina	Brazil	Chile	Venezuela
Methyl alcohol 67-56-1	TWA: 200 ppm Skin STEL: 250 ppm	TWA: 156 ppm TWA: 200 mg/m <sup>3</sup> Skin	TWA: 175 ppm TWA: 229 mg/m <sup>3</sup> Skin	Skin STEL: 250 ppm TWA: 200 ppm

## 8.2. Exposure Controls

### Other Information

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

### Engineering Controls

Showers  
Eyewash stations



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Ventilation systems.

## Personal protective equipment [PPE]

<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Solid
<b>Appearance</b>	Paste
<b>Color</b>	Multiple Colors
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available	
Flash Point	140 °C / 284 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents		
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### 9.2. Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	>= 97
Density	1.65 g/cm <sup>3</sup>
VOC	< 1 %

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity



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None under normal use conditions.

## 10.2. Chemical Stability

Stable under recommended storage conditions.

## 10.3. Possibility of Hazardous Reactions

None under normal processing.

## 10.4. Conditions to Avoid

Extremes of temperature and direct sunlight.

## 10.5. Incompatible Materials

None known based on information supplied.

## 10.6. Hazardous Decomposition Products

None known based on information supplied.

## **Section 11: TOXICOLOGY INFORMATION**

### 11.1. Information on Toxicological Effects

<b>Product Information</b>	No Data Available
<b>Inhalation</b>	No Data Available.
<b>Eye contact</b>	No Data Available.
<b>Skin Contact</b>	No Data Available.
<b>Ingestion</b>	No Data Available.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (rat)	-	-
Polypropylene glycol 25322-69-4	LD50 >1000<2000 mg/kg (Rat)	-	-
Carbonic acid, calcium salt (1:1) 471-34-1	= 6450 mg/kg ( Rat )	>2000 mg/kg	LC50 (4h) >3mg/ml (Rat)
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine 1760-24-3	= 7460 µL/kg ( Rat )	-	LC50 4H (Aerosol) 1.5 - 2.44 mg/L air
Quartz 14808-60-7	>2000 mg/kg ( Rat )	-	-
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	-

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

<b>Symptoms</b>	No information available.
<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious Eye Damage/Eye Irritation</b>	No information available.
<b>Irritation</b>	No information available.
<b>Corrosivity</b>	No information available.



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<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Chronic Toxicity</b>	No information available.
<b>Target Organ Effects</b>	Eyes, Lungs, Respiratory system, Skin.
<b>Aspiration Hazard</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen. The components of this product are inextricably bound in a polymer matrix and are not expected to be available as airborne hazards (dust, mist, or spray) under normal condition of use.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7	-	Group 2B	-	X
Quartz 14808-60-7	A2	Group 1	Known	X
Carbon black 1333-86-4	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)  
 A2 - Suspected Human Carcinogen  
 A3 - Confirmed animal carcinogen with unknown relevance to humans  
 IARC (International Agency for Research on Cancer)  
 Group 1 - Carcinogenic to Humans  
 Group 2B - Possibly Carcinogenic to Humans  
 NTP (National Toxicology Program)  
 Known - Known Carcinogen  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 X - Present

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmodesmus subspicatus)	CL50 (96h) >10000mg/L Fish (Oncorhynchus mykiss)		CE50 (48h) >1000 mg/L Daphnia Magna
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H Fish >1000 mg/l		EC50 48H Daphnia >1000 mg/l
N-[3-(Trimethyoxysilyl)propyl]-1,2-ethanediamine 1760-24-3		LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static		EC50 (48h) =81mg/L Daphnia magna Static
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203		EC50 24 h > 5600 mg/L (Daphnia magna )
Tin, dibutylbis(2,4-pentanedionat o-O,O')-, (OC-6-11)- 22673-19-4	>2.0 mg/l	>2.0 mg/l		

### 12.2. Persistence and Degradability



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No information available.

### 12.3. Bioaccumulative Potential

No information available.

### 12.4. Mobility in Soil

No information available.

### 12.5 Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

#### **Disposal of Wastes**

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

#### **Contaminated Packaging**

Dispose of in accordance with federal, state and local regulations

## Section 14: TRANSPORTATION INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

## Section 15: REGULATORY INFORMATION

### Global Inventories

<u>TSCA</u>	Listed
<u>DSL</u>	Listed

#### **Legend:**

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

**DSL** - Canadian Domestic Substances List

**Listed** - The components of this product are either listed or exempt from listing on inventory.

**Not Listed** - One or more components of this product are not listed on inventory.

### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

#### **WHMIS Hazard Class**

D2B - Toxic materials



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## United States of America

### **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**

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### **California Proposition 65**

This product contains one or more of the substances listed on Proposition 65 at or above 0.01 wt. %

Chemical Name	CAS No.
Titanium dioxide	13463-67-7
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	68515-49-1
Quartz	14808-60-7
Carbon black	1333-86-4
Methyl alcohol	67-56-1

## **Europe**

### **Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical Name	CAS No.
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	25973-55-1

## **Section 16: OTHER INFORMATION**

### **Product(s) Covered**



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A78000	PRO MS wht PCt10.1OZ/C24
A78000-7C	PRO MS wht MP5GL/P24
A78000-95	PRO MS wht MD716LB(52GL)/P3
A78000-95L	PRO MS wht MP52GL(716LB)/P3
A78010	PRO MS blk PCt10.1OZ/C24
A78010-95L	PRO MS/BLK/DRM/52GL/VRWTLB/3PP
A78020	PRO MS alu gry PCt10.1OZ/C24
A78020-95L	PRO MS alu gryMD52GL(698LB)/P3
A78030	PRO MS mdm brz PCt10.1OZ/C24
A78030-95L	PRO MS mdm brzMD52GL(698LB)/P3
A78040	PRO MS tcotta PCt10.1OZ/C24
A78040-95L	PRO MS tcotta MD52GL(698LB)/P3
A78050	PRO MS cptltan PCt10.1OZ/C24
A78050-95L	PRO MS cptltanMD52GL(698LB)/P3
A78060	PRO MS dsrt tan PCt10.1OZ/C24
A78060-95L	PRO MS dsrttanMD52GL(698LB)/P3
A78070	PRO MS stone PCt10.1OZ/C24
A78070-95L	PRO MS stone MD52GL(698LB)/P3
A78080	PRO MS lmstn PCt10.1OZ/C24
A78080-95L	PRO MS lmstn MD52GL(698LB)/P3
A78090	PRO MS lght gry PCt10.1OZ/C24
A78090-95L	PRO MS lghtgryMD52GL(698LB)/P3
A78100	PRO MS brz PCt10.1OZ/C24
A78100-95L	PRO MS brz MD52GL(698LB)/P3
A78110	PRO MS antqwht PCt10.1OZ/C24
A78110-95L	PRO MS antqwhtMD52GL(698LB)/P3
A78500	PRO MS wht Sau20OZ/C12
A78510	PRO MS blk Sau20OZ/C12
A78520	PRO MS alu gry Sau20OZ/C12
A78530	PRO MS mdm brz Sau20OZ/C12
A78550	PRO MS cptltan Sau20OZ/C12
A78560	PRO MS dsrt tan Sau20OZ/C12
A78570	PRO MS stn Sau20OZ/C12
A78580	PRO MS lmstn Sau20OZ/C12
A78590	PRO MS lght gry Sau20OZ/C12
A78600	PRO MS brz Sau20OZ/C12
A78610	PRO MS antqwht Sau20OZ/C12

**HMIS** Health Hazards 2 Flammability 1 Physical Hazards 1 Personal Protection X

## Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

## Key Literature References and Sources for Data

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 19-Sep-2016

**Revision Note** Not applicable.

**Training Advice** No information available

**Additional information** No information available

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its



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publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





# Tropical - #924 Silicone Coating

## Safety Data Sheet

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Tropical - #924 Silicone Coating

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

TROPICAL ROOFING PRODUCTS  
1904 S.W. 31ST Ave.  
HALLANDALE, FL 33009 - UNITED STATES  
T 954-983-3434  
[technical@tropicalroofingproducts.com](mailto:technical@tropicalroofingproducts.com) - [www.tropicalroofingproducts.com](http://www.tropicalroofingproducts.com)

#### 1.4. Emergency telephone number

Emergency number : 800-424-9300  
Chemtrec

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 4 H227  
Carc. 2 H351

Full text of H-statements: see section 16

#### 2.2. Label elements

##### GHS-US labelling

0

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H227 - Combustible liquid  
H351 - Suspected of causing cancer  
Precautionary statements (GHS-US) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P370+P378 - In case of fire: Use ... to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container to ...

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	%	GHS-US classification
poly(dimethylsiloxane)	(CAS No) 9016-00-6	40 - 60	Not classified
silica, pyrogenic	(CAS No) 112945-52-5	30 - 40	Not classified
titanium(IV) oxide	(CAS No) 13463-67-7	0 - 10	Carc. 2, H351
butan-2-one O,O',O''-(methylsilylidyne)trioxime	(CAS No) 22984-54-9	1 - 5	Flam. Liq. 4, H227
3-aminopropyltrimethoxysilane	(CAS No) 13822-56-5	1 - 3	Flam. Liq. 4, H227

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible liquid.  
Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Tropical - #924 Silicone Coating		
ACGIH	Not applicable	
OSHA	Not applicable	
poly(dimethylsiloxane) (9016-00-6)		
ACGIH	Not applicable	
OSHA	Not applicable	
titanium(IV) oxide (13463-67-7)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
OSHA	Not applicable	
butan-2-one O,O',O''-(methylsilyldiyl)trioxime (22984-54-9)		
ACGIH	Not applicable	
OSHA	Not applicable	
3-aminopropyltrimethoxysilane (13822-56-5)		
ACGIH	Not applicable	
OSHA	Not applicable	
silica, pyrogenic (112945-52-5)		
ACGIH	Not applicable	
OSHA	Not applicable	

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Hand protection : Protective gloves.  
Eye protection : Safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.  
Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : Mixture contains one or more component(s) which have the following colour(s):  
Colourless Pure substance: white Unpurified: coloured Yellow Colourless to light yellow White  
Odour : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.  
Mixture contains one or more component(s) which have the following odour(s):  
Odourless Aromatic odour Mild odour Alcohol odour Amine-like odour Rotten egg smell  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : Not applicable  
Freezing point : No data available  
Boiling point : No data available  
Flash point : > 100 °F

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 11.1 lb/gal
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>poly(dimethylsiloxane) (9016-00-6)</b>	
LD50 oral rat	> 5000 mg/kg (Rat, Literature study)
<b>titanium(IV) oxide (13463-67-7)</b>	
LD50 oral rat	> 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	> 6.8 mg/l/4h (Rat; Experimental value)
<b>butan-2-one O,O'-(methylsilyldiylidene)trioxime (22984-54-9)</b>	
LD50 oral rat	2463 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value)
ATE US (oral)	2463.000 mg/kg bodyweight
<b>3-aminopropyltrimethoxysilane (13822-56-5)</b>	
LD50 oral rat	2.970 ml/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value)
LD50 dermal rabbit	11.3 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value)
LC50 inhalation rat (ppm)	> 5 ppm (OECD 403: Acute Inhalation Toxicity, 6 h, Rat, Male, Read-across)

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<b>silica, pyrogenic (112945-52-5)</b>	
LD50 oral rat	3160 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
ATE US (oral)	3160.000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

<b>titanium(IV) oxide (13463-67-7)</b>	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified

Specific target organ toxicity (repeated exposure)	: Not classified
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Aspiration hazard	: Not classified
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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<b>poly(dimethylsiloxane) (9016-00-6)</b>	
LC50 fish 1	> 10000 mg/l (96 h, Salmo gairdneri, Static system, Literature study)

<b>titanium(IV) oxide (13463-67-7)</b>	
EC50 Daphnia 1	> 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence)
Threshold limit algae 1	61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

<b>butan-2-one O,O',O''-(methylsilyldiyl)trioxime (22984-54-9)</b>	
LC50 fish 1	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Read-across)
EC50 Daphnia 1	201 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across)

<b>3-aminopropyltrimethoxysilane (13822-56-5)</b>	
LC50 fish 1	> 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Read-across)
EC50 Daphnia 1	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across)

### 12.2. Persistence and degradability

<b>poly(dimethylsiloxane) (9016-00-6)</b>	
Persistence and degradability	Biodegradable in the soil. Not readily biodegradable in water.

<b>titanium(IV) oxide (13463-67-7)</b>	
Persistence and degradability	Biodegradability: not applicable. Low potential for mobility in soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

<b>butan-2-one O,O',O''-(methylsilyldiyl)trioxime (22984-54-9)</b>	
Persistence and degradability	Not readily biodegradable in water.

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<b>3-aminopropyltrimethoxysilane (13822-56-5)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>silica, pyrogenic (112945-52-5)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

### 12.3. Bioaccumulative potential

<b>poly(dimethylsiloxane) (9016-00-6)</b>	
BCF fish 1	2.9 - 1250 (3 day(s), Hypophthalmichthys molitrix, Literature study)
Bioaccumulative potential	No straightforward conclusion can be drawn based upon the available numerical values.
<b>titanium(IV) oxide (13463-67-7)</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>butan-2-one O,O',O''-(methylsilyldiyl)trioxime (22984-54-9)</b>	
BCF fish 1	0.5 - 5.8 (6 week(s), Cyprinus carpio, Flow-through system, Read-across)
Log Pow	9.83 (Calculated, KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>3-aminopropyltrimethoxysilane (13822-56-5)</b>	
Log Pow	0.2 (QSAR, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>silica, pyrogenic (112945-52-5)</b>	
Bioaccumulative potential	Not bioaccumulative.

### 12.4. Mobility in soil

<b>poly(dimethylsiloxane) (9016-00-6)</b>	
Ecology - soil	Adsorbs into the soil. Low potential for mobility in soil. Not toxic to plants.
<b>butan-2-one O,O',O''-(methylsilyldiyl)trioxime (22984-54-9)</b>	
Log Koc	5.481 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for mobility in soil.
<b>3-aminopropyltrimethoxysilane (13822-56-5)</b>	
Ecology - soil	No (test)data on mobility of the substance available.

### 12.5. Other adverse effects

Effect on ozone layer :  
Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with DOT  
Transport document description : DOT 49 CFR 173.150 SUB.PAR.F. Unregulated  
UN-No.(DOT) : DOT 49 CFR 173.150 SUB.PAR.F. Unregulated  
DOT Packaging Exceptions (49 CFR 173.xxx) : Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated  
DOT Packaging Bulk (49 CFR 173.xxx) : Unregulated when shipped in non-bulk containers

### Additional information

Other information : No supplementary information available.

# Tropical - #924 Silicone Coating

## Safety Data Sheet

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### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Tropical - #924 Silicone Coating

Not subject to reporting requirements of the United States SARA Section 313  
Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### poly(dimethylsiloxane) (9016-00-6)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### titanium(IV) oxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### butan-2-one O,O',O''-(methylsilyldiyl)trioxime (22984-54-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 3-aminopropyltrimethoxysilane (13822-56-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### silica, pyrogenic (112945-52-5)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

No additional information available

### EU-Regulations

No additional information available

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

### 15.2.2. National regulations

#### titanium(IV) oxide (13463-67-7)

Listed on IARC (International Agency for Research on Cancer)

### 15.3. US State regulations

#### titanium(IV) oxide (13463-67-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Full text of H-phrases:

Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 4	Flammable liquids, Category 4
H227	Combustible liquid
H351	Suspected of causing cancer

# Tropical - #924 Silicone Coating

## Safety Data Sheet

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ZLF-PMS 364 CUSTOM TEMPLATE

*All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.*





# Tropical - #2100 All Weather Rubberized Flashing Cement

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 05/18/2015

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Tropical - #2100 All Weather Rubberized Flashing Cement  
Product code : TRO-2100  
Formula : 700-TRO-2100

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Roofing/Waterproofing

#### 1.3. Details of the supplier of the safety data sheet

TROPICAL ROOFING PRODUCTS  
1904 S.W. 31ST Ave.  
HALLANDALE, FL 33009 - UNITED STATES  
T 954-983-3434  
[technical@tropicalroofingproducts.com](mailto:technical@tropicalroofingproducts.com) - [www.tropicalroofingproducts.com](http://www.tropicalroofingproducts.com)

#### 1.4. Emergency telephone number

Emergency number : 800-424-9300  
Chemtrec

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 2	H225
Muta. 1B	H340
Carc. 1B	H350
STOT RE 1	H372

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labelling

0

Hazard pictograms (GHS-US) :



GHS02

GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapour  
H340 - May cause genetic defects (Dermal, Inhalation)  
H350 - May cause cancer (Inhalation, Dermal)  
H372 - Causes damage to organs (central nervous system, eye, Skin, lung, liver) through prolonged or repeated exposure (Dermal, Inhalation)

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from open flames. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting/... equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P260 - Do not breathe fume, gas, vapours  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves, protective clothing  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

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P308+P313 - If exposed or concerned: Get medical advice/attention  
P314 - Get medical advice/attention if you feel unwell  
P370+P378 - In case of fire: Use carbon dioxide (CO2), foam, dry extinguishing powder to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
asphaltic bitumen, not cut back	(CAS No) 8052-42-4	60 - 80	Not classified
kaolin	(CAS No) 1332-58-7	15 - 30	Not classified
Stoddard solvent	(CAS No) 8052-41-3	20 - 25	Muta. 1B, H340 Carc. 1B, H350 STOT RE 1, H372 Asp. Tox. 1, H304
attapulgit	(CAS No) 12174-11-7	5 - 10	Carc. 2, H351
cellulose	(CAS No) 9004-34-6	3 - 7	Not classified
SBR-latex	(CAS No) 9003-55-8		Not classified

Full text of H-phrases: see section 16 \*The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : There are potential chronic health effects to consider.  
Symptoms/injuries after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.  
Symptoms/injuries after skin contact : May cause an allergic skin reaction. May cause moderate irritation.  
Symptoms/injuries after eye contact : Eye irritation.  
Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustible liquid.

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- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form flammable/explosive vapour-air mixture.
- Reactivity : Upon combustion: CO and CO<sub>2</sub> are formed.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Absorb spillage to prevent material damage. Isolate from fire, if possible, without unnecessary risk. No flames, no sparks. Eliminate all sources of ignition. Remove ignition sources.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Protective clothing. Gloves.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

- See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Do not breathe fume, spray, vapours.
- Handling temperature : < 110 (≤ 100) °F
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash Always wash hands after handling the product, Do not eat, drink or smoke when using this product, Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition.
- Storage temperature : < 43 °C
- Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: ignition sources.
- Prohibitions on mixed storage : No data available.
- Storage area : Meet the legal requirements.
- Special rules on packaging : Keep only in original container. meet the legal requirements. Store in a closed container. correctly labelled.
- Packaging materials : No data available.

### 7.3. Specific end use(s)

- No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Tropical - #2100 All Weather Rubberized Flashing Cement	
ACGIH	Not applicable
OSHA	Not applicable
asphaltic bitumen, not cut back (8052-42-4)	
OSHA	Not applicable
attapulgate (12174-11-7)	
ACGIH	Not applicable
OSHA	Not applicable
cellulose (9004-34-6)	
OSHA	Not applicable
kaolin (1332-58-7)	
OSHA	Not applicable
SBR-latex (9003-55-8)	
ACGIH	Not applicable
OSHA	Not applicable

#### 8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Materials for protective clothing	: PICM010.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: BLACK FIBERED MASTIC.
Colour	: Black
Odour	: Petroleum-like odour
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 300 (≤ 450) °F
Flash point	: 106 °F
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 0.293 kPa at 20 °C
Relative vapour density at 20 °C	: No data available
Relative density	: 1.02 - 1.12
Density	: 8 - 9
Percent Solids	: > 75 %

# Tropical - #2100 All Weather Rubberized Flashing Cement

## Safety Data Sheet

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Solubility	: Water: 0 % Acetone: ≈ g/100ml Organic solvent: ≈ 100 %
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available

### 9.2. Other information

VOC content : < 250 (≤ 250) g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Upon combustion: CO and CO<sub>2</sub> are formed.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
(Lack of data)

#### asphaltic bitumen, not cut back (8052-42-4)

LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)

#### cellulose (9004-34-6)

LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 6 mg/l/4h (Rat)

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : May cause genetic defects (Dermal, Inhalation).  
Carcinogenicity : May cause cancer (Inhalation, Dermal).

#### asphaltic bitumen, not cut back (8052-42-4)

IARC group : 3 - Not classifiable

#### attapulgit (12174-11-7)

IARC group : 2B - Possibly carcinogenic to humans, 3 - Not classifiable

#### SBR-latex (9003-55-8)

IARC group : 3 - Not classifiable

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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Causes damage to organs (central nervous system, eye, Skin, lung, liver) through prolonged or repeated exposure (Dermal, Inhalation).
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction. May cause moderate irritation.
Symptoms/injuries after eye contact	: Eye irritation.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>asphaltic bitumen, not cut back (8052-42-4)</b>	
LC50 fish 1	> 1000 mg/l (96 h; Pisces)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h)

  

<b>cellulose (9004-34-6)</b>	
LC50 fish 1	> 100 mg/l (Pisces)
EC50 Daphnia 1	> 100 mg/l (Invertebrata)
Threshold limit algae 1	> 100 mg/l (Algae)

### 12.2. Persistence and degradability

<b>Tropical - #2100 All Weather Rubberized Flashing Cement</b>	
Persistence and degradability	Not established.

  

<b>asphaltic bitumen, not cut back (8052-42-4)</b>	
Persistence and degradability	Not readily biodegradable in water.

  

<b>attapulgite (12174-11-7)</b>	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

  

<b>cellulose (9004-34-6)</b>	
Persistence and degradability	Biodegradable in water.

  

<b>kaolin (1332-58-7)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

  

<b>SBR-latex (9003-55-8)</b>	
Persistence and degradability	Biodegradability in water: no data available.

### 12.3. Bioaccumulative potential

<b>Tropical - #2100 All Weather Rubberized Flashing Cement</b>	
Bioaccumulative potential	Not established.

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<b>asphaltic bitumen, not cut back (8052-42-4)</b>	
Log Pow	> 6 (Calculated)
Bioaccumulative potential	Not bioaccumulative.
<b>attapulgate (12174-11-7)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>cellulose (9004-34-6)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.
<b>kaolin (1332-58-7)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>Stoddard solvent (8052-41-3)</b>	
Log Pow	3.16-7.06
<b>SBR-latex (9003-55-8)</b>	
Bioaccumulative potential	No bioaccumulation data available.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on ozone layer :  
Effect on the global warming : No known ecological damage caused by this product.  
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Remove waste in accordance with local and/or national regulations.  
Additional information : Industrial waste.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT  
Transport document description : Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated, III  
UN-No.(DOT) : Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated  
Packing group (DOT) : III - Minor Danger

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>Tropical - #2100 All Weather Rubberized Flashing Cement</b>	
Not listed on the United States SARA Section 313	
<b>asphaltic bitumen, not cut back (8052-42-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

# Tropical - #2100 All Weather Rubberized Flashing Cement

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### attapulгите (12174-11-7)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### cellulose (9004-34-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### kaolin (1332-58-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### Stoddard solvent (8052-41-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## 15.2. International regulations

### CANADA

No additional information available

### EU-Regulations

No additional information available

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

### 15.2.2. National regulations

## 15.3. US State regulations

### Tropical - #2100 All Weather Rubberized Flashing Cement()

U.S. - California - Proposition 65 - Carcinogens List	Yes
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U.S. - California - Proposition 65 - Developmental Toxicity	No
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
---	----

U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No
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### attapulгите (12174-11-7)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

### asphaltic bitumen, not cut back (8052-42-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

### cellulose (9004-34-6)

U.S. - New Jersey - Right to Know Hazardous Substance List

### kaolin (1332-58-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

### Stoddard solvent (8052-41-3)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Other information : None.



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### Full text of H-phrases:

Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Muta. 1B	Germ cell mutagenicity, Category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure

### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 2 Moderate Hazard  
Physical : 0 Minimal Hazard  
Personal Protection : p

### ZLF-PMS 364 CUSTOM TEMPLATE

*All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.*