



# Tropical - #979 GREAT WHITE all weather SEBS mastic

## Safety Data Sheet

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

Date of issue: 02/22/2017

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Tropical - #979 GREAT WHITE all weather SEBS mastic

#### 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. 2	H225
Skin Irrit. 2	H315
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1B	H350

Full text of H-statements: see section 16

#### 2.2. Label elements

##### GHS-US labelling

0

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapour  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H340 - May cause genetic defects  
H350 - May cause cancer (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 heat/sparks/open flames/hot surfaces. - 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  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
P264 - Wash hands, forearms and face thoroughly after handling  
P272 - Contaminated work clothing must not be allowed out of the workplace  
P280 - Wear protective gloves, eye protection  
P302+P352 - If on skin: Wash with plenty of mineral oil  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P321 - Specific treatment (see ... on this label)

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P332+P313 - If skin irritation occurs: Get medical advice/attention  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P363 - Wash contaminated clothing before reuse  
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

Name	Product identifier	%	GHS-US classification
solvent naphtha (petroleum), light aromatic	(CAS No) 64742-95-6	5 - 40	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
4-chlorobenzotrifluoride	(CAS No) 98-56-6	0 - 35	Flam. Liq. 3, H226
attapulgit	(CAS No) 12174-11-7	15 - 25	Carc. 2, H351
styrene-ethylene/butene-styrene,block copolymer		10 - 20	Not classified
titanium(IV) oxide	(CAS No) 13463-67-7	5 - 15	Carc. 2, H351
zinc bis(dibutyl)dithiocarbamate)	(CAS No) 136-23-2	0 - 10	Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
polyethylenes	(CAS No) 9002-88-4	0 - 10	Not classified

Full text of H-statements: 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 : 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 : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
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

Symptoms/injuries after skin contact : Irritation. May cause an allergic skin reaction.

### 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 : Highly flammable liquid and vapour.  
Reactivity : Highly flammable liquid and vapour.

### 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.

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### SECTION 6: Accidental release measures

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

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

Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/spray.

##### 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. Notify authorities if product enters sewers or public waters.

#### 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. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Ground/bond container and receiving equipment.

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

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Tropical - #979 GREAT WHITE all weather SEBS mastic		
ACGIH	Not applicable	
OSHA	Not applicable	
solvent naphtha (petroleum), light aromatic (64742-95-6)		
ACGIH	Not applicable	
OSHA	Not applicable	
styrene-ethylene/butene-styrene,block copolymer		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (Particulates (insoluble or poorly soluble)(NOS); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
OSHA	Not applicable	

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zinc bis(dibutyldithiocarbamate) (136-23-2)	
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	

attapulgite (12174-11-7)	
ACGIH	Not applicable
OSHA	Not applicable

polyethylenes (9002-88-4)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (Particulates (insoluble or poorly soluble)(NOS); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)
OSHA	Not applicable	

4-chlorobenzotrifluoride (98-56-6)	
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	: Wear respiratory protection.
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): No data available on colour White White to light violet Pure substance: white Unpurified: coloured Light yellow to grey Colourless to white Colourless
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): No data available on odour Odourless Mild odour Pleasant odour Almost odourless Aromatic odour
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	: No data available
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

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Solubility	: Water: Solubility in water of component(s) of the mixture : • solvent naphtha (petroleum), light aromatic: < 0.01 g/100ml • titanium(IV) oxide: 0.15 g/100ml • attapulgite: insoluble • polyethylenes: insoluble • 4-chlorobenzotrifluoride: 0.0029 g/100ml
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: > 250000 cSt
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 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>zinc bis(dibutyldithiocarbamate) (136-23-2)</b>	
LD50 oral rat	> 5000 mg/kg (Rat)
<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>polyethylenes (9002-88-4)</b>	
LD50 oral rat	> 2000 mg/kg (Rat)
<b>4-chlorobenzotrifluoride (98-56-6)</b>	
LD50 oral rat	13000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	33 mg/l/4h (Rat)
ATE US (oral)	13000.000 mg/kg bodyweight
ATE US (vapours)	33.000 mg/l/4h
ATE US (dust,mist)	33.000 mg/l/4h

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

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<b>titanium(IV) oxide (13463-67-7)</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>attapulgite (12174-11-7)</b>	
IARC group	2B - Possibly carcinogenic to humans, 3 - Not classifiable
<b>polyethylenes (9002-88-4)</b>	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after skin contact : Irritation. May cause an allergic skin reaction.

### 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.

<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>4-chlorobenzotrifluoride (98-56-6)</b>	
LC50 fish 1	11.4 mg/l (LC50; 72 h; Lepomis macrochirus)
EC50 Daphnia 1	3.68 mg/l (EC50; 48 h)

#### 12.2. Persistence and degradability

<b>styrene-ethylene/butene-styrene, block copolymer</b>	
Persistence and degradability	Biodegradability in soil: no data available.

<b>zinc bis(dibutyldithiocarbamate) (136-23-2)</b>	
Persistence and degradability	Adsorbs into the soil.

<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>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

<b>polyethylenes (9002-88-4)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.

<b>4-chlorobenzotrifluoride (98-56-6)</b>	
Persistence and degradability	Biodegradability in water: no data available.

#### 12.3. Bioaccumulative potential

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<b>solvent naphtha (petroleum), light aromatic (64742-95-6)</b>	
Log Pow	2.1 - 6
<b>styrene-ethylene/butene-styrene,block copolymer</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>zinc bis(dibutyldithiocarbamate) (136-23-2)</b>	
Log Pow	5.54 (Calculated)
Bioaccumulative potential	No bioaccumulation data available.
<b>titanium(IV) oxide (13463-67-7)</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>attapulgitite (12174-11-7)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>polyethylenes (9002-88-4)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>4-chlorobenzotrifluoride (98-56-6)</b>	
Log Pow	3.6
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 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.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Additional information : Flammable vapours may accumulate in the container.

## 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>solvent naphtha (petroleum), light aromatic (64742-95-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>styrene-ethylene/butene-styrene,block copolymer</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	

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<b>zinc bis(dibutyldithiocarbamate) (136-23-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>titanium(IV) oxide (13463-67-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>attapulgite (12174-11-7)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>polyethylenes (9002-88-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
<b>4-chlorobenzotrifluoride (98-56-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

### 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

<b>titanium(IV) oxide (13463-67-7)</b>
Listed on IARC (International Agency for Research on Cancer)

### 15.3. US State regulations

<b>Tropical - #979 GREAT WHITE all weather SEBS mastic()</b>	
U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

<b>attapulgite (12174-11-7)</b>				
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 significant risk level (NSRL)
Yes	No	No	No	

<b>titanium(IV) oxide (13463-67-7)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List



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### SECTION 16: Other information

Full text of H-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Muta. 1B	Germ cell mutagenicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H340	May cause genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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.*