



# Tropical UltraClean Asphalt & Tar Remover

## Safety Data Sheet

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

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Tropical UltraClean Asphalt & Tar Remover

#### 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. 3 H226

Full text of H-statements: see section 16

#### 2.2. Label elements

##### GHS-US labelling

0

Hazard pictograms (GHS-US) :



GHS02

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : H226 - Flammable liquid and vapour  
Precautionary statements (GHS-US) : 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  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P370+P378 - In case of fire: Use ... to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
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
ethylene glycol	(CAS No) 107-21-1	25 - 50	Acute Tox. 4 (Oral), H302
terpene hydrocarbons, 23°C=<F.P.<=60°C, n.o.s.		25 - 50	Flam. Liq. 3, H226
Water	(CAS No) 7732-18-5	10 - 30	Not classified
Sodium Carboxylate		0 - 15	Not classified
alcohols, C12-14, ethoxylated	(CAS No) 68439-50-9	0 - 15	Not classified

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

No additional information available

#### 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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

No additional information available

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

No additional information available

#### 5.3. Advice for firefighters

No additional information available

### SECTION 6: Accidental release measures

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

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

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

No additional information available

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

No additional information available

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

No additional information available

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

No additional information available

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Tropical Tool Cleaner		
ACGIH	Not applicable	
OSHA	Not applicable	
ethylene glycol (107-21-1)		
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup> (Ethylene glycol; USA; Momentary value; TLV - Adopted Value)

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<b>ethylene glycol (107-21-1)</b>	
OSHA	Not applicable

  

<b>terpene hydrocarbons, 23°C=&lt;F.P.&lt;=60°C, n.o.s.</b>	
ACGIH	Not applicable
OSHA	Not applicable

  

<b>alcohols, C12-14, ethoxylated (68439-50-9)</b>	
ACGIH	Not applicable
OSHA	Not applicable

  

<b>Sodium Carboxylate</b>	
ACGIH	Not applicable
OSHA	Not applicable

  

<b>Water (7732-18-5)</b>	
ACGIH	Not applicable
OSHA	Not applicable

### 8.2. Exposure controls

No additional information available

## 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 No data available on colour
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): Almost odourless No data available on odour Characteristic 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	: 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
Solubility	: Water: Solubility in water of component(s) of the mixture : • ethylene glycol: Complete • alcohols, C12-14, ethoxylated: < 63 mg/l (25 °C)
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

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

No additional information available

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

ethylene glycol (107-21-1)	
LD50 oral rat	> 5000 mg/kg (Rat; Literature study)
ATE US (oral)	500.000 mg/kg bodyweight

alcohols, C12-14, ethoxylated (68439-50-9)	
LD50 oral rat	> 2000 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Read-across; Equivalent or similar to OECD 402)

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

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

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

ethylene glycol (107-21-1)	
EC50 Daphnia 1	> 10000 mg/l (EC50; 24 h)
LC50 fish 2	40761 mg/l (LC50; 96 h; Salmo gairdneri)

alcohols, C12-14, ethoxylated (68439-50-9)	
LC50 fish 1	0.876 mg/l (LC50; EU Method C.1; 96 h; Danio rerio; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 1	0.53 mg/l (EC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	0.41 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Weight of evidence)
Threshold limit algae 2	0.31 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Weight of evidence)

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### 12.2. Persistence and degradability

<b>ethylene glycol (107-21-1)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.47 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.24 g O <sub>2</sub> /g substance
ThOD	1.29 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.36
<b>terpene hydrocarbons, 23°C=&lt;F.P.&lt;=60°C, n.o.s.</b>	
Persistence and degradability	Biodegradability in soil: no data available.
<b>alcohols, C12-14, ethoxylated (68439-50-9)</b>	
Persistence and degradability	Readily biodegradable in water. The surfactant(s) is/are biodegradable. Low potential for mobility in soil.

### 12.3. Bioaccumulative potential

<b>ethylene glycol (107-21-1)</b>	
BCF fish 1	10 (BCF; 72 h)
BCF other aquatic organisms 1	0.21 - 0.6 (BCF)
BCF other aquatic organisms 2	190 (BCF; 24 h)
Log Pow	-1.34 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>terpene hydrocarbons, 23°C=&lt;F.P.&lt;=60°C, n.o.s.</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>alcohols, C12-14, ethoxylated (68439-50-9)</b>	
BCF fish 1	237 (BCF; 72 h; Pimephales promelas; Flow-through system; Fresh water)
Log Pow	5.6 - 7 (Weight of evidence approach; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

### 12.4. Mobility in soil

<b>ethylene glycol (107-21-1)</b>	
Surface tension	0.048 N/m (20 °C)
<b>alcohols, C12-14, ethoxylated (68439-50-9)</b>	
Surface tension	0.28 N/m (25 °C; 19.6 mg/l)
Log Koc	log Koc, 3.95; QSAR
Ecology - soil	Low risk to terrestrial organisms.

### 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

No additional information available

## SECTION 14: Transport information

In accordance with DOT  
Not regulated for transport

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

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### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

No additional information available

### 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

## SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour
H302	Harmful if swallowed

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.*