



Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

Date of issue: 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 #941 Safety Walkway Coating
 Product code : TRO-941
 Formula : 700-TRO-941

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

Use of the substance/mixture : Elastomeric Roof Coating, Granulated

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 - 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

Skin Corr. 1C H314
 Eye Irrit. 2A H319
 Skin Sens. 1B H317

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

0

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

Hazard statements (GHS-US)

Precautionary statements (GHS-US) :

- 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
- P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
- P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a doctor, a POISON CENTER
- P321 - Specific treatment (see eye protection, protective gloves, a POISON CENTER, a doctor on this label)
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P363 - Wash contaminated clothing before reuse
- 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

Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

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

Non-Hazardous Components	Product identifier, CAS-No.	Wt. %	GHS-US classification
Water	7732-18-5	25-45	Non-hazardous
Acrylic polymer(s)	Trade Secret	>40	Non-hazardous

Hazardous Components	Product identifier, CAS-No.	Wt. %	GHS-US classification
Calcium carbonate	471-34-1	25-45	Not classified
Silicon dioxide, chemically prepared	112929-00-8	1-5	Eye irritant 2B, H320
Zinc oxide	1314-13-2	>2	Aquatic H400, H410
1,2-Propanediol	57-55-6	>2	Toxic 4, H302
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	>2	Not classified

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.

Symptoms/injuries after ingestion : No data available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

Fire hazard : Non combustible. Not flammable.

Reactivity : No data available.

5.3. Advice for firefighters

Firefighting instructions : No specific fire-fighting instructions required.

Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material damage.

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 : Use personal protective equipment as required.

Emergency procedures : Stop release. 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.

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.

Storage temperature : 4 - 40 °C

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Tropical #941 Safety Walkway Coating	
ACGIH	Not applicable
OSHA	Not applicable
Acrylic polymer	
ACGIH	Not applicable
OSHA	Not applicable
1,2-Propanediol (57-55-6)	
OSHA	TLV Ceiling limit: 100mg/m ³ H

Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
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	: Granulated, viscous fluid
Colour	: White, Grey, or Yellow
Odour	: Ammonia-like
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	: > 100 °C
Flash point	: Not data available
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	: 1.3 g/cm ³
pH	: 8.5 - 9.3
Percent Weight Solids	: 65 % ± 3 %
Solubility	: Water ~ 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	: < 50 g/l
-------------	------------

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

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.

Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

10.6. Hazardous decomposition products

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

11.1. Information on toxicological effects

Acute Toxicity : Not classified

2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
LD50 oral rat	3200 mg/kg (Rat)
LD50 dermal rabbit	> 15200 mg/kg (Rabbit)
ATE US (oral)	3200.000 mg/kg bodyweight

1,2-Propanediol (57-55-6)	
LD50 oral rat	20000 mg/kg (Rat; Experimental value)
LD50 dermal rat	22500 mg/kg (Rat; Experimental value)
LD50 dermal rabbit	20800 mg/kg (Rabbit; Experimental value)
ATE US (oral)	20000.000 mg/kg bodyweight
ATE US (dermal)	20800.000 mg/kg bodyweight

Calcium carbonate (471-34-1)	
LD50 oral rat	6450 mg/kg (Rat; Literature study)

Silicon dioxide, chemically prepared (112929-00-8)	
LD50 oral rat	> 5000 mg/kg, OECD Test Guideline 401
LD50 dermal rabbit	> 5000 mg/kg
Skin Irritation, rabbit	Not irritating
LC0 inhalation rat	0.69 mg/l / 4 h
Eye Irritation, rabbit	Not irritating

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.

Symptoms/injuries after ingestion : No data available.

SECTION 12: Ecological information

12.1. Toxicity

2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
LC50 fish 1	30 mg/l (96 h; Pimephales promelas)
EC50 Daphnia 1	147.8 mg/l (48 h; Daphnia sp.)
Threshold limit algae 1	3.28 mg/l (72 h; Selenastrum capricornutum; Biomass)
Threshold limit algae 2	18.4 mg/l (72 h; Selenastrum capricornutum; Growth)

1,2-Propanediol (57-55-6)	
LC50 fish 1	51400 mg/l (96 h; Pimephales promelas)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)

Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

1,2-Propanediol (57-55-6)	
EC50 Daphnia 1	34400 mg/l (48 h; Daphnia magna)
LC50 fish 2	51600 mg/l (96 h; Oncorhynchus mykiss)
TLM fish 1	> 1000 ppm (96 h; Pisces)
TLM other aquatic organisms 1	> 1000 ppm (96 h)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h)
Threshold limit algae 1	15000 mg/l (336 h; Selenastrum capricornutum)
Threshold limit algae 2	< 5300 mg/l (336 h; Skeletonema costatum)

Silicon dioxide, chemically prepared (112929-00-8)	
LC50 fish	> 10000 mg/l / 96 h, OECD 203
LC50 other aquatic invertebrates	> 10000 mg/l / 24 h, OECD 202

12.2. Persistence and degradability

Tropical #941 Safety Walkway Coating	
Persistence and degradability	Not established.

Acrylic polymer	
Persistence and degradability	Biodegradability in soil: no data available.
Biochemical oxygen demand (BOD)	0.01 g O ₂ /g substance

2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance
ThOD	2.4 g O ₂ /g substance

1,2-Propanediol (57-55-6)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.96 - 1.08 g O ₂ /g substance
Chemical oxygen demand (COD)	1.63 g O ₂ /g substance
ThOD	1.69 g O ₂ /g substance
BOD (% of ThOD)	0.57 % ThOD

Calcium carbonate (471-34-1)	
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

Tropical #941 Safety Walkway Coating	
Bioaccumulative potential	Not established.

Acrylic Polymer	
Bioaccumulative potential	Not bioaccumulative.

2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
Log Pow	3.47 (Experimental value)

1,2-Propanediol (57-55-6)	
Log Pow	-1.41 - -0.30
Bioaccumulative potential	Not bioaccumulative.

Calcium carbonate (471-34-1)	
Bioaccumulative potential	No bioaccumulation data available.

Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

12.4. Mobility in soil

1,2-Propanediol (57-55-6)

Surface tension	0.036 N/m (25 °C)
-----------------	-------------------

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 : Not Regulated (Water Based Material - KEEP FROM FREEZING)
UN-No.(DOT) : Not Regulated (Water Based Material - KEEP FROM FREEZING)

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

Tropical #912 Walkway Coating

Not listed on the United States SARA Section 313

Water	7732-18-5	25-45
Acrylic polymer(s)	Trade Secret	10-30
Calcium carbonate	471-34-1	25-45
Silicon dioxide, chemically prepared	112929-00-8	1-5
Zinc oxide	1314-13-2	>2
1,2-Propanediol	57-55-6	>2
2,2,4-Trimethyl-1,3-pentanediol monosioibutyrate	25265-77-4	>2

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Tropical #941 Safety Walkway Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / October 12, 2017 / Rules and Regulations

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 #941 Safety Walkway Coating	
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

SECTION 16: Other information

Other information : None.

Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Sens. 1B	Sensitisation — Skin, category 1B
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : PPE

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.