

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

	ubstance/mixture and of the company/undertaking
1.1. Product identifier	A Distance
Product form	: Mixture
Product name	: Tropical - #711 Cold-Process Lap Cement
Product code	: TRO-711
Formula	: 700-TRO-711
	ubstance or mixture and uses advised against
Use of the substance/mixture	: Roofing/Waterproofing
1.3. Details of the supplier of the safe	ty data sheet
TROPICAL ROOFING PRODUCTS 1904 S.W. 31ST Ave. HALLANDALE, FL 33009 - UNITED STATES T 954-983-3434	
technical@tropicalroofingproducts.com - www	/.tropicalrootingproducts.com
1.4. Emergency telephone number	
Emergency number	: 800-424-9300 Chemtrec
SECTION 2: Hazards identification	
2.1. Classification of the substance of	r mixture
GHS-US classification	
Flam. Liq. 2	H225
Muta. 1B Carc. 1B	H340 H350
STOT RE 1	H372
Full text of H-phrases: see section 16	
•	
2.2. Label elements	
GHS-US labelling	
Hazard pictograms (GHS-US)	
	GHS02 GHS08
Signal word (GHS-US)	: Warning
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 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 P308+P313 - If exposed or concerned: Get medical advice/attention P314 - Get medical advice/attention if you feel unwell
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			P370+P378 - In case of fire: Use carb extinguish P403+P235 - Store in a well-ventilated P405 - Store locked up P501 - Dispose of contents/container collection site except for empty clean waste	d place. Keep cool to a licensed hazard	lous-waste disposal contractor or
2.3.	Other hazards				
Other ha	azards not contributing to the ation	:	None under normal conditions.		
2.4.	Unknown acute toxicity (GHS-US)				
Not app	licable				
SECT	ON 3: Composition/information	on o	on ingredients		
3.1.	Substance				
Not app	licable				
3.2.	Mixture				
Name			Product identifier	%	GHS-US classification
asphalt	ic bitumen, not cut back		(CAS No) 8052-42-4	60 - 80	Not classified
kaolin			(CAS No) 1332-58-7	15 - 30	Not classified
Stodda	rd solvent		(CAS No) 8052-41-3	20 - 25	Muta. 1B, H340 Carc. 1B, H350 STOT RE 1, H372

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.

(CAS No) 12174-11-7

(CAS No) 9004-34-6

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 effect	s, 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.

attapulgite

cellulose

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 sub	stance or mixture
Fire hazard	: Combustible liquid.
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 CO2 are formed.

Asp. Tox. 1, H304

Carc. 2, H351

Not classified

5 - 10

3 - 7

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The spray or fog for cooling exposed containers. Exercise caution when fighting any chemical file. Prevent file-fighting water from entering environment. Protection during firefighting :: Do not enter fire area without proper protective equipment, including respiratory protection. SECTION 5: Accidental release measures :: Absorb spillage to prevent fire-fighting any check or counters in the prevent material damage. Isolate from fire, if possible, without unnecessary risk. No flames, no sparks. Eliminate all sources of ignition. Remove ignition sources. 1.1. For non-emergency presonders :: Protective clothing. Gloves. imergency procedures :: Evacuate unnecessary personnel. 1.1. For emergency resonders :: Use personal proceutive equipment as required. imergency procedures :: Stop release. 2.2 Environmental proceutions :: Collect spillage. 1.3. Methods and material for containment and cleaning up : Collect spillage. Store away from other materials. 1.4. Reference to other accions : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. 1.4. Reference to other accions : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good wentilation in process area to prevent formations have been read and understood. Eliminate al lightion sources if sale to do so. Do not edit, drin k or smoke when using this product. Wash hands after handling t	irelighting instructions Use water spray or fog for cooling exposed containers. Exervation when fighting any chemical fire. Prevent fire-fighting water from entering environment. rotection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection. FECTION 61: Accidental release measures Abootb 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. For one-mergency presonnel rotective equipment as required. Protective equipment Protective equipment as required. Evacuate unnecessary personnel. 1.1. For one-mergency responders Evacuate unnecessary personnel. For emergency rocedures Stop release. 2. Environmental precautions Stop release. Collect spillage. Collect spillage. Collect spillage. Collect spillage. Collect spillage. Stop release. Errotons for safe handling Precautions for safe handling Precautions for safe handling Stop release. Collect spillage. Store away from other materials. A thetode and material for containment to collar special instructoris before use. Do no	5.3. Advice for firefighters	
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·	· ·	Arecautions for safe handling landling temperature lygiene measures .2. Conditions for safe storage, inclust torage conditions incompatible products incompatible materials torage temperature leat and ignition sources prohibitions on mixed storage	 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. < 110 (≤ 100) °F 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. ding any incompatibilities 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. Strong bases. Strong acids. Sources of ignition. < 43 °C KEEP SUBSTANCE AWAY FROM: ignition sources. No data available.
		Precautions for safe handling Handling temperature Hygiene measures C.2. Conditions for safe storage, inclue Storage conditions Incompatible products Incompatible materials Storage temperature Heat and ignition sources Prohibitions on mixed storage Storage area	 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. < 110 (≤ 100) °F 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. ding any incompatibilities 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. Strong bases. Strong acids. Sources of ignition. < 43 °C KEEP SUBSTANCE AWAY FROM: ignition sources. No data available. Meet the legal requirements. Keep only in original container. meet the legal requirements. Store in a closed container.

No additional information available

8.1. Control parameters	
Tropical - #711 Cold-Process Lap Cement	
ACGIH Not applicable	

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Tropical - #711 Cold-Process Lap Cement			
OSHA	Not applicable		
asphaltic bitumen, not cut ba	ack (8052-42-4)		
OSHA	Not applicable		
attapulgite (12174-11-7)			
ACGIH	Not applicable		
OSHA	Not applicable		
cellulose (9004-34-6)	cellulose (9004-34-6)		
OSHA	Not applicable		
kaolin (1332-58-7)			
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	I chemical properties
Physical state	: Liquid
Appearance	: BLACK FIBERED MASTIC.
Colour	: Black
Odour	: Petroleum-like odour
Odour threshold	: No data available
рН	: 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	: 8.5 - 9.3
Percent Solids	: >75 %
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

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Evplosive properties	
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 CO2 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 igni	ition. 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	on
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
attapulgite (12174-11-7)	
IARC group	2B - Possibly carcinogenic to humans, 3 - Not classifiable
Poproductivo toxicity	
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : Not classified
specific larger organ loxicity (single exposure)	. NUL GASSIICU
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 Potential adverse human health effects and symptoms	Not classifiedBased on available data, the classification criteria are not met.
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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

asphaltic bitumen, not cut back (8052-42-4)		
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)	
cellulose (9004-34-6)		
LC50 fish 1	> 100 mg/l (Pisces)	
EC50 Daphnia 1	> 100 mg/l (Invertebrata)	
	> 100 mg/l (Algae)	

12.2. Persistence and degradability				
Tropical - #711 Cold-Process Lap Cement				
Persistence and degradability	Not established.			
asphaltic bitumen, not cut back (8052-42-4)				
Persistence and degradability	Not readily biodegradable in water.			
attapulgite (12174-11-7)				
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			
cellulose (9004-34-6)				
Persistence and degradability	Biodegradable in water.			
kaolin (1332-58-7)				
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			

2.3. Bioaccumulative potential				
Tropical - #711 Cold-Process Lap Cement				
BCF fish 1	>			
Bioaccumulative potential	Not established.			
asphaltic bitumen, not cut back (8052-42-4)				
Log Pow	> 6 (Calculated)			
Bioaccumulative potential	Not bioaccumulative.			
attapulgite (12174-11-7)				
Bioaccumulative potential	No bioaccumulation data available.			
cellulose (9004-34-6)				
Bioaccumulative potential	Bioaccumulation: not applicable.			
kaolin (1332-58-7)				
Bioaccumulative potential	No bioaccumulation data available.			

Tropical - #711 Cold-Process Lap Cement Safety Data Sheet

Log Pow	3.16-7.06
2.4. Mobility in soil	
o additional information available	
2.5. Other adverse effects ffect 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 consideration	hs
3.1. Waste treatment methods	
Vaste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Vaste 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	
n accordance with DOT	
Fransport document description	: Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated, III
JN-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	
Γransport by sea	
No additional information available	
Air transport	
No additional information available	
SECTION 15: Regulatory information	n .
15.1. US Federal regulations	
Tropical - #711 Cold-Process Lap Cement	
Not listed on the United States SARA Section 3	313
asphaltic bitumen, not cut back (8052-42-4)	
Listed on the United States TSCA (Toxic Subst	ances Control Act) inventory
attapulgite (12174-11-7)	
Not listed on the United States TSCA (Toxic Su	ubstances Control Act) inventory
cellulose (9004-34-6)	
Listed on the United States TSCA (Toxic Subst	ances Control Act) inventory
kaolin (1332-58-7)	
Listed on the United States TSCA (Toxic Subst	ances Control Act) inventory
Stoddard solvent (8052-41-3)	

No additional information available

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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 - #711 Cold-Process Lap Cement() 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 - Female No U.S. - California - Proposition 65 - Reproductive Toxicity - Male No

attapulgite (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.

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

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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.