

Date of Preparation: 02/20/2019

PRODUCT: FORMEX WET/ DRY SURFACE PLASTIC CEMENT (Winter Grade)

CODE: 3101200000

SECTION 01: IDENTIFICATION

Product identifier..... FORMEX WET/ DRY SURFACE PLASTIC CEMENT (Winter Grade)
 Product code..... 3101200000
 Product use..... Rubberized patching compound.
 Emergency telephone number..... CHEMTREC 1-800-424-9300.

SECTION 02: HAZARD IDENTIFICATION



Hazard classification..... Flammable Liquids — Category 3. Skin Irritation — Category 2. Carcinogenicity — Category 2.
 Signal word..... WARNING.
 Hazard statement..... H226 Flammable liquid and vapour. H315 Causes skin irritation. H351 Suspected of causing cancer.
 Precautionary statements..... P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical, ventilating, lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharge. P280 Wear protective gloves/protective clothing/eye protection/face protection. P264 Wash thoroughly after handling. P308+P313 IF exposed or concerned: Get medical advice/attention. P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. . P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash before reuse. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.
 Other hazards..... None.
 Comments..... This product contains quartz (crystalline silica) as a naturally occurring contaminant. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Under normal conditions of use, exposure is not expected to occur.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Asphalt	8052-42-4	35-53
Stoddard Solvent	8052-41-3	10-19
Crystalline silica, quartz	14808-60-7	0.1-0.6
Titanium dioxide	13463-67-7	0.1-0.2

SECTION 04: FIRST-AID MEASURES

Routes of exposure
 Inhalation..... If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
 Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
 Skin contact..... Wash off with soap and water. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash before reuse.
 Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

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SECTION 04: FIRST-AID MEASURES

Most important symptoms and effects, both acute and delayed . The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
 Medical attention and special treatment..... IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Do not use water jet as an extinguisher, as this will spread the fire. Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish.
 Hazardous combustion products..... Carbon oxides. Evolution of fumes/fog. Harmful vapours.
 Special protective equipment and precautions Cool closed containers exposed to fire with water spray. Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Material can be slippery when wet.
 Further information..... Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back. Contaminated extinguishing water must be disposed of in accordance with official regulations. During fire, gases hazardous to health may be formed.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Eliminate all sources of ignition. Ensure adequate ventilation. Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. Local authorities should be advised if significant spillages cannot be contained. .
 Environmental precautions..... If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so.
 Methods and materials for containment and cleaning up Stop leak. Dike and contain spill. Cover with plastic sheet to prevent spreading. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into container. Do not use combustible absorbents, such as sawdust. Nonsparking tools should be used. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

SECTION 07: HANDLING AND STORAGE

Handling precautions..... Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid contact with skin and eyes. Use only with adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Keep container closed when not in use. Containers should be grounded when being emptied.
 Storage needs..... Keep in a dry, cool and well-ventilated place. Take measures to prevent the build up of electrostatic charge. Keep product and empty container away from heat and sources of ignition.
 Materials to avoid..... Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Asphalt	0.5 mg/m3	not available	not available	not available	not available
Stoddard Solvent	100 ppm	not available	500 ppm	not available	not available
Crystalline silica, quartz	0.025 mg/m3 (respirable fraction)	not available	not available	not available	0.05 mg/m3 (respirable dust)
Titanium dioxide	10 mg/m3	not available	15 mg/m3	not available	not available
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used. .				
Individual protection measures					
Eye/type.....	Goggles. Wear face shield if splashing hazard exists.				
Clothing/type.....	Wear clean long legged, long sleeved work clothes.				
Gloves/ type.....	Neoprene gloves. Nitrile rubber.				
Respiratory/type.....	If using in a poorly ventilated area, wear a properly fitted respirator (NIOSH approved) during exposure.				

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Hygiene measures..... Handle in accordance with good industrial hygiene and safety practice. Remove soiled clothing and wash it thoroughly before reuse. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... paste.
 Color..... black.
 Odour..... solvent odour.
 Odour threshold..... no data available.
 pH..... not applicable.
 Melting point (°C)..... not applicable.
 Freezing point (°C)..... no data available.
 Initial boiling point (°C)..... 149.
 Flash point (°C), Method..... 47 CC.
 Evaporation rate..... no data available.
 Upper flammability limit (% vol)..... 7.
 Lower flammability limit (% vol)..... 1.
 Vapour pressure (mm Hg)..... 2.
 Vapour density (air=1)..... no data available.
 Relative density/Specific Gravity..... 1.15-1.2.
 Water solubility..... insoluble.
 Solubility in other solvents..... no data available.
 Partition coefficient — n-octanol/water..... no data available.
 Auto ignition temperature (°C)..... > 200 °C.
 Thermal decomposition temperature..... no data available.
 Viscosity..... no data available.
 % volatile by volume:..... <20.

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... No hazardous reactions if stored and handled as prescribed/indicated.
 Chemical stability..... The product is stable if stored and handled as prescribed/indicated.
 Possibility of hazardous reactions..... No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
 Conditions to avoid..... Keep away from heat. Keep away from sources of ignition. Keep away from incompatibles such as oxidizing agents .
 Incompatible materials..... Strong oxidizing agents.
 Hazardous decomposition products..... Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon (CO and CO₂), fumes and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Asphalt	not available	>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Stoddard Solvent	>5.0 mg/l (Inhalation-rat, 4H mist)	>5,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Crystalline silica, quartz	not available	500 mg/kg (oral-rat)
Titanium dioxide	not available	> 10,000 mg/kg (oral-rat)
Routes of exposure	Inhalation of vapours may cause irritation to the nose, throat and respiratory tract.	
Inhalation.....	Inhalation of this product may cause nausea, vomiting and diarrhea. .	
Ingestion.....	Contact may cause skin irritation.	
Skin contact.....	Contact may cause eyes irritation.	
Eye contact.....	Acute effects	
Acute effects	Acute oral toxicity..... Acute toxicity estimate > 2,000 mg/kg. Virtually nontoxic after a single ingestion. Method: calculation method.	
Acute oral toxicity.....	Acute dermal toxicity..... LD50 (Rabbit) : > 2,000 mg/kg. Virtually nontoxic after a single skin contact. Method: calculation method.	
Acute dermal toxicity.....	Acute inhalation toxicity..... Acute toxicity estimate : > 20 mg/l. Virtually nontoxic by inhalation. Method: calculation method.	
Acute inhalation toxicity.....	Skin corrosion/irritation..... Result: Moderate skin irritation.	
Skin corrosion/irritation.....	Serious eye damage/eye irritation..... Result: Mild eye irritation.	
Serious eye damage/eye irritation.....	Respiratory or skin sensitisation..... Non-sensitizing.	
Respiratory or skin sensitisation.....	Specific target organ toxicity (STOT) single exposure..... Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Specific target organ toxicity (STOT) single exposure		

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SECTION 11: TOXICOLOGICAL INFORMATION

Aspiration hazard.....	No aspiration hazard expected.
Chronic toxicity/effects	
Specific target organ toxicity (STOT) repeated exposure	Quartz and cristobalite: May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation). Exposures to respirable crystalline silica are not expected during the normal use of this product.
Carcinogenicity.....	Asphalt is listed as IARC Group 2B (possibly carcinogenic to humans). Titanium dioxide is listed as IARC Group 2B (possibly carcinogenic to humans). Respirable crystalline silica dust is listed with IARC as a Class 1 carcinogen and with NTP as a suspected carcinogen. Prolonged or excessive exposure to silica can cause silicosis. This formula contains hazardous fillers which are not hazardous in a wet or encapsulated state. However, if the formula is reduced to a respirable fraction by grinding or putting into an airborne powder, the powder is considered a hazardous material.
Reproductive toxicity.....	No known significant effects or critical hazards.
Genetic toxicity.....	None expected.
Teratogenicity.....	Not expected.
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components. Fillers are encapsulated and not expected to be released from product under normal conditions of use.
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	May cause long-term adverse effects in the aquatic environment.
Persistence and degradability.....	The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance.....	Dispose of in accordance with national, state and local regulations.
Container disposal	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification.....	UN1999, Tars, Liquid, Class 3, PGIII .
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SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status.....	This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.
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SECTION 16: OTHER INFORMATION

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 publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.
Prepared by:	CanChem Consultant
Preparation date.....	Feb 20 /2020