

Safety Data Sheet
Patch

Florock
1-141

Product Identification

Section 1

Product Identifier	1-141
Product Name	FloroSurface Patch
Synonyms	Mortar, concrete patch
Product Usage	High performance concrete repair mortar
Company	Florock Polymer Flooring 1120 W Exchange Chicago, IL 60609
Phone	773-376-7132
Chemtrec	800-424-9300

Hazard Identification

Section 2

GHS Classifications

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation< 1 hour, visible necrosis in at least one animal.
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1B	Presumed, Based on experimental animals

Signal Word

Danger

Pictograms



Hazard Statements

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H350 May cause cancer
H360 May damage fertility or the unborn child

Precautionary Statements

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P310 Immediately call a POISON CENTER or doctor/physician
P321 Specific treatment, see supplemental first aid information.
P330 Rinse mouth
P363 Wash contaminated clothing before reuse
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352 IF ON SKIN: Wash with soap and water
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing .
Rinse skin with water/shower
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

Composition Information of Ingredients

Section 3

Component	CAS No.	Weight %
Quartz	14808-60-7	60.00% - 70.00%
Calcium oxide	1305-78-8	5.00% - 10.00%
Portland cement	65997-15-1	1.00% - 5.00%

Where a range is displayed or the exact percentage of the component in the composition has been withheld it is considered a trade secret.

Ingredients not listed on this SDS are considered to be non-hazardous.

First Aid Measures**Section 4**

General	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.
Inhalation	Supply fresh air. If required provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
Eyes	Remove contact lens if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Ingestion	Do not eat, taste, or ingest. If swallowed, Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.
Skin	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a physician.

Fire Fighting Measures**Section 5**

Extinguishing Media	Dry Chemical, Alcohol Resistant Foam, Carbon dioxide. Do not use water.
Extinguishing Methods	Not flammable under normal conditions. Contact with water may cause hydration, and formation of caustic alkaline material.
Special Protective Equipment	Wear self-contained respiratory protective device and other proper protective equipment .
Special hazards	Formation of toxic gases is possible during heating or in case of fire.

Accidental Release Measures**Section 6**

Personal precautions *Protective equipment:* If air test dictates wear approved protective respirator, safety goggles, and chemical resistant gloves. Ensure adequate ventilation. Avoid skin contact. Avoid dust formation, Do not breathe dust, Avoid contact with skin, eyes and clothing. Remove all non-essential people from the affected area. Ensure adequate ventilation Wear protective equipment.

Emergency procedures:

Call CHEMTREC at 1-800-424-9300 for assistance and advice

Methods for clean up and disposal Ensure adequate ventilation. Pick up and arrange disposal without creating dust. Dispose of the collected material according to regulations. Do not allow to escape into waterways, wastewater or soil. Do not dispose of into drainpipe or other wastes disposal systems that may enter waterways.

Handling and Storage **Section 7**

Precautions for safe handling As with any chemical product, use good laboratory/workplace procedures. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash hands and skin before eating, smoking or using the facilities. Avoid formation of respirable particles Do not breath vapours/dust Do not get in eyes, on skin, or on clothing Ensure good ventilation/exhaustions at the workplace

Conditions for safe storage, including incompatibilities Protect container from physical abuse. Keep the container tightly closed. Store in cool, dry conditions in well sealed receptacles Keep receptacle tightly sealed. Store in dry conditions. Protect from humidity and water Storage temperature 10 - 50 °C Do not store together with oxidizing and acidic materials. Do not store in open, unlabeled or mislabeled containers. Do not reuse empty containers. Observe all local and national regulations for storage of water polluting products.

Exposure Controls/Personal Protection **Section 8**

Component	CAS#	ACGIH/TLV	OSHA/PEL	Other Exp. Limits
Quartz	14808-60-7	0.025 mg/m ³ TWA (respirable fraction)	Not Established	NIOSH: 0.05 mg/m ³ TWA (respirable dust)
Calcium oxide	1305-78-8	2 mg/m ³ TWA	5 mg/m ³ TWA	NIOSH: 2 mg/m ³ TWA
Portland cement	65997-15-1	1 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	15 mg/m ³ TWA (total dust); 5mg/m ³ TWA (respirable fraction)	

**Vapor Pressure limit*

Engineering Controls
Local Ventilation Use local and general engineering controls.

Personal Protective Equipment

The usual precautionary measures are to be adhered to when handling chemicals. Do not eat, drink, smoke or sniff while working. Keep away foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin

General Protective and Hygienic Measures:

Eye Protection: Safety glasses with side shields, goggles preferred.

Respiratory Protection: Use suitable respirator protective device in case of insufficient ventilation, required if TLV exceeded.. Use suitable respiratory protective device when dust and fumes is/are formed. NIOSH/MSHA respirator is advised.

Protection of Hands: Protective gloves: to avoid skin problems, the glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Recommended glove material: Neoprene, butyl rubber gloves, note: the selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. Protective gloves should be replaced at the first signs of wear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Skin and Body Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. An eyewash and safety shower stations should be available in the work area.

Physical/Chemical Properties

Section 9

Not Explosive/Non-Flammable:

Boiling range: Not Determined

Grams VOC less water: N/A

ph: 10-12

Specific Gravity (SG) 3.3-3.5

Solubility: Dispersible

Appearance: Tan Powder

Stability and Reactivity

Section 10

Reactivity **Stable** under recommended storage conditions. No decomposition if stored and applied as directed.

Chemical Stability No decomposition if stored and applied as directed.
Hazardous polymerization will not occur.

Oral Toxicity LD50: 668mg/kg

Routes of Exposure

Symptoms of Exposure: N/D

Exposure:

Target Organs: Eyes, Skin, Respiratory

Carcinogenicity The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	% Weight	Carcinogen Rating
14808-60-7	Quartz	60 to 70%	Quartz: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed

Keep large quantities out of sewers, drainage areas, and waterways. Report spills and atmospheric releases, as applicable, under Federal and State regulations.

Persistence and Degradability

Product: No further relevant information available

Bioaccumulative Potential

Product: Bioaccumulation: No further relevant information available

Partition coefficient: n-octanol/water: No further relevant information available

Mobility in Soil

Product: Distribution among environmental compartments: No further relevant information available.

Additional Ecological Information:

General notes: German Hazard Water Class NWG

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB Assessment

Assessment: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

Component Eco-toxicity

Calcium oxide 96 Hr LC50 Cyprinus carpio: 1070 mg/L [static]

Disposal Considerations

Section 13

Dispose of container and unused contents in accordance with federal, state, and local requirements for hazardous materials.

The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches the chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. Send to a licensed waste management company.

Transport Information

Section 14

DOT Proper Shipping	
Name:	Not Regulated
Packing Group:	
DOT Hazard Class:	
DOT UN/NA Number:	Not Regulated

Regulatory Information

Section 15

Prop 65 - Chemicals Known to Cause Developmental Toxicity - None
 Prop 65 - Chemicals Known to Cause Cancer – 14808-60-7 Quartz
 U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities – None
 U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs – None
 U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs – None
 U.S. - CERCLA/SARA - Section 313 - Emission Reporting – None
 TSCA (Toxic Substances Control Act) – None

Country	Regulation	All Components Listed
USA	Inventory - United States - Section 8(b) Inventory (TSCA)	Yes
Canada	DSL (Canadian Domestic Substance List)	Yes

Other Information

Section 16

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 guidance for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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