Safety Data Sheet

Pourable Gray Concrete Crack Filler

Version 1.1

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Section 1: Product Identification

Product Type: Concrete Fillers and Patches

Product Name:
Akona Pourable Gray Concrete Crack Filler

Section 2: Hazard Identification

These products pose little harm as used. Dust from the dried product is harmful to breathe, because it will contain crystalline silica.

Danger: Crystalline silica may cause cancer when inhaled. Crystalline silica causes damage to lungs through prolonged or repeated exposure from inhaling dust.

This product has been evaluated according to GHS and 29CFR1910.1200, Appendix A. It is categorized as a Health Hazard Carcinogen Category 1A, because it contains crystalline silica (quartz).

Applicable hazard statements:
H350: May cause cancer from inhaling dust.
H372: Causes damage to respiratory system (silicosis) through prolonged or repeated exposure to inhaled dust.

Applicable 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 dusts
P270: Do not eat, drink or smoke when using this product.
P280: Wear eye protection
P308+313/314. If exposed or concerns, or if you feel unwell: Get medical advice
P501: Dispose of contents in accord with local regulations

HMIS® Rating: Health: 0* Fire: 0 Reactivity: 0
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Section 3: Hazardous Ingredients/Composition

Ingredient	Typical Percentage	CAS #
Limestone	25-50%	1317-65-3
Crystalline silica (quartz)	30-60%	14808-60-7
Aqueous acrylate emulsion	11-16%	*
Water	1-10%	7732-18-5
Plasticizer	0-4%	*

*Specific chemical identities and percentages withheld as trade secret. They are available upon request to health professionals, employees and their designated representatives in accord with 29CFR1910.1200(i).

Section 4: First Aid Measures

Inhalation:

Typically not an inhalation hazard until material dries out and dust is created. If any irritation develops, move to fresh air.

Eye contact:

Hold eyelids apart and flush eyes with plenty of water. At least fifteen minutes of flushing is recommended for any chemical contact. If any irritation persists, get medical attention.

Skin Contact:

Promptly wash off with pH-neutral soap and water. Get medical attention for any irritation or persistent dry skin.

Ingestion:

Check with the Poison Control Center or a doctor. Do not induce vomiting unless directed to do so by medical personnel.

Symptoms of overexposure:

Inhalation: No symptoms likely from normal use. If material dries out, breathing the dust may cause coughing, nose and throat irritation, wheezing. Repeated exposure to the dust can cause chronic coughing and impaired lung function. Long term exposure to respirable crystalline silica in the dust can cause silicosis (lung scarring) and lung cancer.

Eye contact: Eye irritation may develop from direct contact.

Skin Contact: May cause some drying of skin. Extensive contact could cause mild skin irritation.

Note to physician: Treat according to symptoms. No known specific antidote.

Section 5: Fire Fighting Measures

Fire extinguishing media: Appropriate for surrounding materials. Product is not flammable.
Special fire fighting procedures: None.
Unusual fire and explosion hazards: None.
Hazardous combustion products: None expected.

Section 6: Accidental Release Measures

Contain and clean up. May be slippery. Contain spills with inert material such as sand. Avoid creating dust. Do not allow product to enter sewers. Clean area with water.

Section 7: Handling and Storage

Do not breathe dust, which can be created when product dries.
Wash hands after use.
Do not eat, drink, or use tobacco products when handling any chemical products.

Storage: Keep from freezing. Keep container tightly closed.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:

	OSHA PEL	OSHA 1989 PEL*	ACGIH TLV	NIOSH REL
Crystalline silica (quartz)	10 mg/m^3 (%silica+2)	0.1 mg/m^3 (respirable)	0.025 mg/m^3 (respirable)	0.05 mg/m^3
Limestone	15 mg/m^3 (total) 5 mg/m^3 (respirable)	10 mg/m^3 (total) 5 mg/m^3 (respirable)		
Acrylate emulsion	None established			
Plasticizer	None established			

*For states that adopted the 1989 PEL revisions (Minnesota, Oregon, Washington, California

Engineering Controls:

Avoid creating dust. Water can be used as a dust suppressant if material must be abraded or cut after it has dried.

Local exhaust ventilation is usually not required.

Personal protective equipment

Respiratory protection: Not needed unless dust is created.
For protection against irritation from dust or up to ten times the recommended exposure limits, use a NIOSH-approved N-95 filtering facepiece or a half mask respirator equipped with N-95 filters. A more protective respirator (e.g., P100 filters or full face respirator) may be substituted.
Skin protection: None usually required. Any water-impermeable gloves such as PVC gloves are recommended for prolonged contact. Promptly wash off of skin and remove contaminated clothing.
Eye protection: Safety glasses with side shields. If used in dusty or windy conditions, goggles are recommended.

Section 9: Physical and Chemical Properties

Appearance and odor: Gray or black paste. May have slight acrylic odor (akin to latex paint)
Flash point: noncombustible.
Flammable limits: N/A
Boiling Point: ~212°F (100°C) (of liquid component)
Freezing point: ~32°F (0°C) (of liquid component)
Solubility in water: can be diluted with or dispersed in water.
Evaporation Rate: not available. .
Evaporation rate (butyl acetate = 1): not applicable
Percent solids: 80-90%

Section 10: Stability and Reactivity

Stability: stable.
Conditions to avoid: none known.
I**ncompatibility**: strong oxidizers, strong acids, strong alkalis.
Hazardous polymerization: will not occur.
Hazardous decomposition products: Thermal decomposition may yield acrylic monomers.

Section 11: Toxicological Information

Not considered acutely toxic.
No listed ingredients are classified as irritants, per skin or eye irritation criteria of GHS
Not considered respiratory or skin sensitizer.
No ingredients have been associated with reproductive toxicity.

Respirable crystalline silica is categorized as a Health Hazard Carcinogen Category 1A (known to have carcinogenic potential for humans) and a Health Hazard Specific Target Organ Toxicity – Repeated Exposure Category 1. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. There is evidence that exposure to

respirable silica or the disease silicosis is associated with an increased incidence of Scleroderma, tuberculosis and kidney disorders.

Crystalline silica is listed as carcinogenic according to IARC. ACGIH classified crystalline silica as a suspected human carcinogen.

Section 12: Ecological Information

Product as a whole has not been tested but is expected to have low acute toxicity.
Ecotoxicity: .
Not considered hazardous to the aquatic environment or to the ozone layer.
Persistence and degradability: Not likely to biodegrade

Mobility in soil: no information available.

Bioaccumulation: based on ingredients, not likely to bioaccumulate.

Section 13: Disposal Considerations

Do not sewer or dump on the ground
As provided, not a RCRA-regulated waste.
Dispose of in accordance with federal, state, and local regulations.

Section 14: Transportation

Not a DOT-regulated hazardous material. Not classified as dangerous goods for DOT, IATA, IMDG, TDG

Section 15: Regulatory Information

This product contains 0.01% or more of crystalline silica, regulated under California Proposition 65 as a chemical known to the state of California to cause cancer or reproductive effects. It is on the New Jersey Right to Know Hazardous Substance List.

This product does not contain any hazardous air pollutants, nor any chemicals regulated under:

CERCLA	SARA 302 EHS
SARA 311/312	SARA 313

Section 16: Other Information

Additional information on the product is available at. www.tccmaterials.com

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. Before using any product, read its label and safety data sheet.