

**FLEXTILE LTD**  
**Material Safety Data Sheet**

**COLOURMAX URETHANE GROUT**

**Section 1 - Material Identification and Use**

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| MANUFACTURER/SUPPLIER'S NAME.....  | FLEXTILE LTD.   |
| MANUFACTURER'S ADDRESS.....        | 121-30TH STREET, ETOBICOKE, ONT. M8W 3C1                |
| MANUFACTURER'S PHONE NUMBER.....   | 416-255-1111 Toll-Free 1-800-699-3623 FAX: 416-255-1729 |
| IN CASE OF CHEMICAL EMERGENCY..... | CALL CANUTEC (613) 996-666                              |
| PRODUCT IDENTIFIER.....            | COLOURMAX URETHANE GROUT                                |
| PRODUCT USE.....                   | GROUT FOR TILE  |
| WHMIS CLASSIFICATION.....          | D-2   |

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**Section 2 – Composition and Information on Ingredients**

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| <b>CHEMICAL IDENTITY</b>         | <b>% by Wt.</b> | <b>CAS#/NA#/UN#</b> | <b>OSHA (PEL)</b>     | <b>ACGIH (TLV-TWA)</b> |
|----------------------------------|-----------------|---------------------|-----------------------|------------------------|
| Sand, Quartz, Crystalline silica | 78-80           | 14808-60-7          | 10 mg/ m <sup>3</sup> | 0.025mg/m <sup>3</sup> |
| Polyurethane copolymer           | 5-7             | Proprietary         | N/E                   | N/E                    |
| N-methyl-2-pyrrolidone           | 1-2             | 872-50-4            | N/E                   | N/E                    |

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THIS PRODUCT CONTAINS NO HAZARDOUS INGREDIENT AS DEFINED BY US OSHA HAZARD COMMUNICATION STANDARD - 29 CFR 1910.1200 OR SECTION 13 OF THE CANADIAN HAZARDOUS PRODUCT ACT.

All ingredients are listed within or exempted from US TSCA and Canadian DSL.

**Section 3 - Hazards Identification**

ColourMax grout, unlike traditional grout, uses a polyurethane copolymer to bind the sand component into a pliable, non-hardening matrix resulting in a product with low/no dust-producing potential. Even when cured, ColourMax grout will not crumble, crack, or produce dry dust when sanded or abraded. The use of abrasives against the cured product will result in the creation of a gummy residue without the dust-producing potential of conventional grouts.

Emergency Overview' ColourMax grout is a mud/fine aggregate blend having mortar-like texture and a slight odor. This material may produce respiratory irritation during use due to the evaporation of the polyurethane bonding agent. Eye and skincontact with the uncured product should also be avoided (See section 8 – Exposure Controls/Personal Protection).

Potential Health Effects Inhalation: This product may cause dizziness, headache, or nausea if used in a poorly ventilated area due to the evaporationof the polyurethane bonding agent as the product dries/cures.

Eye Contact: Eye contact may cause severe irritation.

Skin Contact: May cause drying or irritation to the skin

Ingestion: No known health effect.

Acute Effects: Eye irritation, drying of the skin, nausea, dizziness, or headaches.

See Section 11, Toxicological Information, for additional details on potential adverse health effects.

**Section 4 – First Aid Procedures**

Inhalation: Remove the person to fresh air, obtain medical attention, and perform artificial respiration if needed

Eye: Flush the eye with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin: Wash exposed skin with mild soap and water. Treat affected area with skin moisturizer.

Ingestion: If large amounts are ingested, do not induce vomiting. Have the victim drink two glasses of water. Seek medical attention.

**Section 5 – Fire Fighting Measures**

Flashpoint: None

Explosive Limits: Not Combustible

Autoignition Temperature: None

UnusualFire and Explosion Habits:None

Hazardous Combustion Products: None

Special Fire Fighting Procedures: None unique to this product.

Extinguishing Media: Appropriate to surrounding fire.

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### Section 6 – Accidental Release Measures

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Wear appropriate personal protective equipment as described in Section 8 of this document. Contain and remove spills using an inert absorbent (e.g., dry sand or earth). Place the product in a covered container appropriate for disposal. Dispose of the product according to federal, state, and local regulations (Also see Section 13 – Disposal Considerations and Section 15 – Regulatory Information).

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### Section 7 – Handling and Storage

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Avoid eye and skin contact (See section 8 – Exposure Controls/Personal Protection). Protect product from freezing, use adequate ventilation, and do not store above 120°F. Close container immediately after use to prevent drying of product. Keep out of reach of children.

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### Section 8 – Exposure Controls/Personal Protection

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**ColourMax grout, as delivered, is an encapsulated product in which the sand component (crystalline silica) is bound in a polymer matrix. The sand contained in this product cannot be inhaled under conditions of intended product use.**

**Ventilation:** Use general dilution or local exhaust as required to maintain exposures below the occupational exposure limits; see also ACGIH, Industrial Ventilation – Recommended Practice (latest edition).

**Respiratory Protection:** Avoid breathing vapors produced during the use and handling of this product. Consult with OSHA regulations and NIOSH recommendations to determine the appropriate NIOSH-approved respiratory protection to wear during and following use, including clean-up, of this product

**Gloves:** PVC gloves are recommended in situations where skin contact may occur.

**Eye:** Use ANSI approved protection as appropriate for the task at hand, including goggles or safety glasses with side shields.

**Other:** Use protective clothing as appropriate for the work environment.

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### Section 9 – Physical and Chemical Properties

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**Appearance:** Mortar-like mud of varying color Muddy aggregate

**Physical State:** Paste

**Vapor Pressure:** < 17 mm-Hg

**Boiling Point:** 100°C (212°F)

**Solubility In Water:** 100%

**Odor:** Slight

**Vapor Density:** Not Applicable

**Freezing Point:** 0°C (32 °F) (keep from freezing)

**Density:** 89.8 lbs/ft<sup>3</sup>

**Calculated VOC content:** <26 gm / L

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### Section 10 – Stability and Reactivity

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**Stability:** Stable

**Materials to Avoid:** Strong Oxidizers such as fluorine, chlorine trifluoride, and oxygen difluoride.

**Hazardous Decomposition Products:** Silica dissolves in hydrofluoric acid to produce a corrosive gas; silicon tetrafluoride.

**Hazardous Polymerization:** Will not occur

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### Section 11 – Toxicological Information

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For Polyurethane Copolymer:

LD<sub>50</sub> oral, rat: >2,000 mg/kg – Estimate, based on analogy to similar products. This ingredient is not listed by NTP, IARC, or OSHA as a carcinogen.

For N-methyl-2-pyrrolidone:

This ingredient is not listed by NTP, IARC, or OSHA as a carcinogen. This ingredient is known by the State of California to be a reproductive toxin, and is listed in accordance with California Proposition 65 as of June 2001.

For Respirable Crystalline Silica: Chronic (prolonged) inhalation of this free crystalline silica may cause delayed lung injury, including silicosis. IARC has classified crystalline silica as a known human carcinogen (Group I), and the NTP has characterized crystalline silica as a “reasonably anticipated human carcinogen.” **ColourMax grout, as delivered, is an encapsulated product in which the sand component (crystalline silica) is bound in a polymer matrix. The sand contained in this product cannot be inhaled under conditions of intended product use.**

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### Section 12 – Ecological Information

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For Polyurethane Copolymer: Fish Toxicity; LC<sub>50</sub> >500 mg/l – Estimate, based on analogy to similar products. Avoid contamination of groundwater or waterways.

For N-methyl-2-pyrrolidone: This material is expected to be non hazardous to aquatic species. This material is not expected to persist in the environment. It is water soluble and has low volatility.

For Crystalline Silica: Crystalline silica is not known to be eco toxic, i.e., there are no data that suggests that crystalline silica is toxic to birds, fish, invertebrates, microorganisms, or plants.

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### Section 13 – Disposal Considerations

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General: Unused product should be disposed of in accordance with Federal, State, or local regulations. The finished, cured product may be land filled.

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq.

The above information applies to Flextile ColourMax grout only as sold. The product could be contaminated during use, and it is the responsibility of the user to assess the appropriate disposal method in this situation.

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### Section 14 – Transport Information

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Flextile ColourMax grout is not a hazardous material for purposes of transportation under the U. S. Department of Transportation Table of Hazardous Materials, 49 CFR §172.101.

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### Section 15 – Regulatory Information

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CANADA Domestic Substances List: N-methyl-2-pyrrolidone appears on the on the Canadian DSL.

WHMIS Classification: D-2

UNITED STATES (FEDERAL AND STATE)TSCA No.: Crystalline silica (quartz) and N-methyl-2-pyrrolidone appear on the EPA TSCA inventory under the CAS Numbers 14808-60-7 and 872-50-4, respectively. RCRA: This product is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq. CERCLA: This product is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR §302. Emergency Planning and Community Right to Know Act: This product is not an extremely hazardous substances under Section 302 and are not toxic chemicals subject to the requirements of Section 313. Clean Air Act: This product was not processed with or does not contain any Class I or Class II ozone depleting substances. FDA: Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR §175.300(b)(3)(xxvi). NTP: Respirable crystalline silica (quartz) is classified as a probable carcinogen. OSHA Carcinogen: Crystalline silica (quartz) is not listed. State of California Proposition 65: N-methyl-2-pyrrolidone is known by the State of California to be a reproductive toxin, and was first listed in June 2001.

OTHER EINECS No.: 231-545-4 (for silica), and 212-828-1 (for N-methyl-2-pyrrolidone) EEC Label (Risk/Safety Phrases): R 48/20, R 40/20, S22, S38 (for silica) IARC: Crystalline silica (quartz) is classified in IARC Group 1. National, state, provincial or local emergency planning, community right to know or other laws, regulations or ordinances may be applicable--consult applicable Federal, state, provincial or local laws.

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### Section 16 – Other Information

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**ColourMax Grout, as delivered, is an encapsulated product in which the sand component (crystalline silica) is bound in a polymer matrix. The sand contained in this product cannot be inhaled under conditions of intended product use.**

More information on the effects of crystalline silica exposure may be obtained from the Occupational Safety and Health Administration (OSHA) (phone number: 1-800-321-OSHA; website: <http://www.osha.gov>) or from the National Institute for Occupational Safety and Health (NIOSH) (phone number: 1-800-35-NIOSH; website: <http://www.cdc.gov/niosh>).

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### Preparation Date Of Material Safety Data Sheet

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|-------------------------------|---|
| PREPARED BY.....              | CHIEF CHEMIST                                   |
| PHONE NUMBER OF PREPARER..... | 416 - 255-1111 EXT 235      FAX: 416 - 255-1729 |
| DATE PREPARED.....            | August 19, 2008                                 |

Flextile Ltd. assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Flextile Ltd., assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

**...FLEX TILE LTD.**

**N/D = NOT DETERMINED**