Flextile Ltd.

# Safety Data Sheet

## 60

## SECTION 1: IDENTIFICATION

Product: 60 Polymer-Modified Thin Set Mortar
Product Use: Polymer-modified mortar for tile and stone installation
Manufacturer Information:


**Ontario**
111 Royal Group Crescent
Vaughan, Ontario
L4H 1X9
Tel: (416) 255-1111
Fax: (416) 255-1729

**British Columbia**
2829 Lake City Way
Burnaby, BC
V5A 2Z6
Tel: (644) 420-4914
Fax: (604) 420-0936


**IN CASE OF EMERGENCY CALL CANUTEC (613) 996-6666**

## SECTION 2: HAZARDS IDENTIFICATION

Classification of the chemical
**WHMIS Classification**
Class D2A, D2B, E



| | | |
|---|---|---|
| **GHS Signal Word** | Danger | |
| **GHS Classification:** | | |
| Skin corrosion / irritation | Category 1 | Causes skin irritation |
| Serious eye damage / eye irritation | Category 1 | Causes serious eye damage |
| Skin Sensitization | Category 1 | May cause an allergic skin reaction |
| Carcinogenicity | SECategory 1A | May cause cancer if inhaled |
| Specific Target Organ Systemic Toxicity (STOT) SE | Category 3 | May cause respiratory irritation |
| Specific Target Organ Systemic Toxicity (STOT) RE | Category 1 | Causes damage to organs through prolonged exposure if inhaled |
| GHS Hazard Statements | Causes skin irritation, may cause an allergic skin reaction, causes serious eye damage; may cause respiratory irritation; may cause cancer; causes damage to organs through prolonged or repeated exposure. | |

| GHS Hazard Statements | |
|---|---|
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer if inhaled. |

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| H372 | Causes damage to organs through prolonged or repeated exposure if inhaled. |

GHS Precautions

| Code | Description |
|---|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P260 | Do not breathe dust. |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves and eye protection. |
| P302+P352.A | If on skin: Wash with plenty of water. |
| P304+P340 | If inhaled: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | If in eyes: Rinse cautiously 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. |
| P310 | Immediately call a POISON CENTER. |
| P312 | Call a POISON CENTER if you feel unwell. |
| P314 | Get medical advice/attention if you feel unwell. |
| P321.A | Specific treatment (see supplementary instructions on this label) |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with applicable regulations. |

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Name | % by Weight | CAS No. | Classification |
|---|---|---|---|
| Silica Sand, Crystalline quartz | 50 - 55 | 14808-60-7 | Carc. 1A, H350<br>STOT RE 1, H372 |
| Portland Cement | 30 - 40 | 65997-15-1 | Eye damage 1, H318<br>Skin irritant 2, H315<br>Skin sensitizer 1, H317<br>STOT SE 3, H335 |
| Calcium Carbonate | 5 - 10 | 1317-65-3 | Skin irritant 2, H315<br>Eye irritant 2B, H320 |

| | | | |
|---|---|---|---|
| Calcium Formate | 0.2 - 5.0 | 544-17-2 | STOT SE 3, H335<br>Eye damage 1, H318 |

## SECTION 4: FIRST AID MESURES

**General** In case of accident or illness, seek medical attention immediately.
**Eye Contact** Flush eyes and contaminated skin with abundant water. Seek medical attention immediately.
**Skin Contact** Remove contaminated clothing immediately. Wash skin immediately with soap and abundant water.
**Inhalation** If breathing is irregular or stopped, administer artificial respiration. Move to a well ventilated area. Seek medical attention immediately.
**If Ingested** Severely irritating. Do not induce vomiting. Drink lots of water or milk to dilute. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

## SECTION 5: FIRE FIGHTING MEASURES

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| **Extinguishing Media** | Water spray, carbon dioxide, dry chemical or foam |
| **Unsuitable Extinguishing Media** | None in particular |
| **Hazardous Combustion Products** | Do not inhale explosion and combustion gases |
| **Explosive Properties** | N/A |
| **Oxidizing Properties** | N/A |
| **Special Firefighting Procedures** | Wear standard fire fighting gear with self-contained breathing apparatus. |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Special Protection** Exposure to spilled material may be irritating or harmful. Wear personal protective equipment.
**Protective Equipment** Refer to Section 8 on this Safety Data Sheet for appropriate personal protection equipment.
Pick up solids and avoid dust accumulation. Use an appropriate scoop to remove large amounts of material while smaller quantities may be swept up. Avoid the use of water as material becomes alkaline when wet.
**Waste Disposal** Dispose of in accordance with local, state and federal regulations.
**Environmental Precautions** Do not allow product to enter drains or waterways. Do not allow material to contaminate ground water system. Refer to Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

Wear personal protective equipment. Avoid contact with skin and eyes, inhalation of vapours and mists.
Contaminated clothing should be changed before entering eating areas. Do not eat or drink in work areas.
Do not use any empty containers before they are cleaned.
**Protective Equipment** Refer to Section 8 on this Safety Data Sheet for appropriate personal protection equipment.
Wash thoroughly after handling.
**Storage** Store in a cool, adequately ventilated, dry area. Keep containers tightly closed when not in use

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### EXPOSURE LIMITS

| Chemical Name | CAS No. | ACGIH TLV | OSHA PEL |
|---|---|---|---|
| Silica Sand, Crystalline Quartz | 14808-60-7 | 0.025 mg/m$^3$ TWA (respirable fraction) | 10 mg/m$^3$ TWA (respirable) |
| Portland Cement | 65997-15-1 | 10 mg/m$^3$ TWA (respirable, containing no asbestos and <1% crystalline silica) | 15 mg/m$^3$ TWA (total dust), 5 mg/m$^3$ TWA (respirable) |
| Calcium Carbonate | 1317-65-3 | 10 mg/m$^3$ TWA | 15 mg/m$^3$ TWA (respirable) |

### ENGINEERING CONTROL METHODS:

**Ventilation** Use local exhaust ventilation or other engineering controls to minimize exposures.

**Eye Protection**: Wear safety glasses with side shields or face shield when handling this product. Have an eye wash station available.

**Skin protection** Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt.

**Hand Protection** Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

**Respiratory Protection** Use approved (OSHA) dust respirator rated n95 when mixing .

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical state | Solid |
| Odour and appearance | Odourless White/Grey powder |
| Odour threshold | N/A |
| Specific gravity | 1.2 – 1.6 |
| Boiling point | N/A |
| Freezing point | N/A |
| pH | 11 when wet |
| Flash point | N/A |
| Upper/Lower flammability or explosive limits | N/A |
| Auto-ignition temperature | N/A |
| Decomposition temperature | N/A |
| Explosive properties | N/A |
| Oxidizing properties | N/A |
| Solubility in water | Dispersable |
| Solubility in oil | N/D |
| Octanol/Water coefficient | N/D |
| Calculated VOC content | 0 g/l |

## SECTION 10: STABILITY AND REACTIVITY

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|---|---|
| Chemical stability | Stable |
| Incompatible materials | Strong oxidizing agents, strong acids, strong bases |
| Conditions to avoid | Keep dry until used |
| Hazardous decomposition products | CO, $CO_2$, $NO_x$, and other unidentified organic compunds |

## SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicological information based on the individual components.**

| Chemical Name | CAS No. | LD50/LC50 |
|---|---|---|
| Silica Sand, Crystalline Quartz | 14808-60-7 | ORAL LD50 (rat) 500 mg/kg |
| Portland Cement | 65997-15-1 | N/Av |
| Calcium Carbonate | 1317-65-3 | Oral LD50 6450 mg/kg (rat) |
| Calcium Formate | 544-17-2 | Oral LD50 2650 mg/kg (rat) |

**Routes of entry** skin contact, eye contact, ingestion, inhalation
**Effects of acute exposure** irritate the eyes and upper respiratory tract. Ingestion can cause throat irritation.
**Effects of chronic exposure** cement dust can cause inflammation of tissue lining the nasal interior and the eye cornea. Hypersensitive persons may develop allergic dermatitis.

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|---|---|
| Skin corrosion | In both dry and wet forms can dry skin and cause alkali burns |
| Serious eye damage / irritation | Can cause moderate irritation, tearing, and reddening |
| Respiratory or skin sensitization | May cause an allergic skin reaction, and respiratory irritation |
| Germ cell mutagenicity | No data available. |
| Carcinogenicity | This product contains crystalline silica. Crystalline silica (respirable size) is classified as carcinogenic by inhalation by: IARC (Group 1), ACGIH (Group A2), NTP (Group 1), OSHA (Select carcinogen).<br>Cement is not listed as a carcinogen by IARC or NTP; however, cement contains trace amounts of crystalline silica and hexavalent chromium which are classified by IARC and NTP as known human carcinogens. |
| Reproductive toxicity | No data available |
| STOT-single exposure | May cause respiratory irritation |
| STOT-repeated exposure | May cause lung damage upon repeated or prolonged exposure |
| Aspiration hazard | repeated inhalation of dust may result in silicosis |

## SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | N/A |
| Persistence and degradability | N/A |

| | |
|---|---|
| Bioaccumulative potential | N/A |
| Mobility in soil | N/A |
| Other adverse effects | N/A |
| List of components with eco-toxological properties | |
| Silica sand | LC50 Aquatic acute toxicity carp >10,000 mg/l 72 h |

## SECTION 13: DISPOSAL CONSIDERATIONS

**Handling for disposal** Handle waste as per recommendations in Section 7.

Dispose of in an approved landfill. Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.
Canadian TDG : not regulated
US DOT: not regulated
IATA: not regulated

## SECTION 15: REGULATORY INFORMATION

**Canadian Information:**

Canadian WHMIS Classification: This product is a WHMIS Controlled Product. It meets one or more of the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR). Refer to Section 2 for a WHMIS Classification for this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non- Domestic Substances List (NDSL). It contains components listed on the Canadian HPA Ingredient Disclosure List. It contains Crystalline silica, quartz.

**US Federal Information:**

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.
CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.
SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above the minimum concentrations.

**U.S. State Right To Know Laws**

California Proposition 65: Warning! This product contains a chemical known to the State of California to cause cancer. It contains Crystalline silica, quartz.

Other State Right to Know Law:

MA Portland Cement, Crystalline Silica, Quartz, Limestone
NJ Portland Cement, Crystalline Silica, Quartz, Limestone
PA Portland Cement, Crystalline Silica, Quartz, Limestone
RI Portland Cement, Crystalline Silica, Quartz, Limestone
MN Portland Cement, Crystalline Silica, Quartz, Limestone

## SECTION 16: OTHER INFORMATION

This Safety Data Sheet is prepared to comply with the Canadian Workplace Hazardous Materials Information System (WHMIS) and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).
**HMIS rating**: **Health** -- 2 **Flammability** -- 1 **Reactivity** -- 0
See **SECTION 8**: **EXPOSURE CONTROLS/PERSONAL PROTECTION** for personal protective equipment recommendations.

## PREPARATION DATE OF SAFETY DATA SHEET

**Prepared by** Technical department
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**Date prepared** 7th August, 2015

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