

**FLEX TILE LTD**  
**Material Safety Data Sheet**  
**51 FLOOR & WALL MIX**

**Material Identification and Use**

MANUFACTURER/SUPPLIER'S NAME.....	FLEX TILE LTD.
MANUFACTURER'S ADDRESS.....	121-30TH STREET, ETOBICOKE, ONT. M8W 3C1
MANUFACTURER'S PHONE NUMBER.....	(416) 255-1111 FAX: (416) 255-1729
IN CASE OF EMERGENCY.....	CALL CANUTEC (613) 996-6666
PRODUCT IDENTIFIER.....	51 FLOOR & WALL MIX
PRODUCT USE.....	MORTAR; USED IN CONSTRUCTION
WHMIS CLASSIFICATION.....	D.2 E

**Hazardous Ingredients of Materials**

CHEMICAL IDENTITY	CONC.	CAS#/NA#/UN#	ACGIH TLV	OSHA PEL
PORTLAND CEMENT	25-40 %	65997-15-1	10mg/m <sup>3</sup>	15mg/ m <sup>3</sup>
SILICA SAND, CRYSTALLINE QUARTZ	40-70 %	14808-60-7	0.1 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
CALCIUM CARBONATE	5-10%	1317-65-3	10mg/m <sup>3</sup>	5mg/ m <sup>3</sup>

**This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive toxicity. All ingredients are listed within the US TSCA and Canadian DSL.**

**Physical Data For Product**

PHYSICAL STATE.....	POWDER		
ODOUR AND APPEARANCE.....	WHITE/GREY DRY MIX, CEMENT ODOUR.		
ODOUR THRESHOLD.....	N/D	SPECIFIC GRAVITY.....	1.2 - 1.6
VAPOUR PRESSURE.....	N/D	VAPOUR DENSITY (air=1).....	N/D
EVAPORATION RATE.....	N/D	BOILING POINT.....	N/D
FREEZING POINT.....	N/D	pH.....	11 when wet
DENSITY (g/ml).....	N/D	SOLUBILITY IN WATER	INSOLUBLE
CALCULATED VOC	0 gm/L		

**Fire and Explosion Hazard of Product**

CONDITIONS OF FLAMMABILITY.....	STABLE
MEANS OF EXTINCTION.....	NOT APPLICABLE
FLASH POINT.....	NOT FLAMMABLE OR COMBUSTIBLE
UPPER EXPLOSION LIMIT (%)..	NOT ESTABLISHED
LOWER EXPLOSION LIMIT (%)..	NOT ESTABLISHED
FIRE EXTINGUISHING MATERIALS	WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL OR FOAM
SPECIAL FIRE FIGHTING PROCEDURES	WEAR STANDARD FIRE FIGHTING GEAR WITH SELF-CONTAINED BREATHING APPARATUS

**Reactivity Data**

CHEMICAL STABILITY.....	STABLE
INCOMPATIBLE MATERIALS.....	STRONG OXIDISING AGENTS, STRONG ACIDS & STRONG BASES.
CONDITIONS TO AVOID.....	KEEP DRY UNTIL USED
HAZARDOUS DECOMPOSITION PRODUCTS..	CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS.
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR

# 51 FLOOR & WALL MIX

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## Toxicological Properties of Product

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THE HAZARDOUS INGREDIENTS WHEN IN CONTACT WITH WATER PRODUCE AN ALKALINITY LEVEL OF pH 10 TO pH 11. THIS LEVEL OF ALKALINITY CAN CAUSE SKIN AND EYE IRRITATION.

ROUTES OF ENTRY:SKIN CONTACT, EYE CONTACT, INHALATION, INGESTION.

EFFECTS OF ACUTE EXPOSURE :

CEMENT AND WET CEMENT MIXTURES CAN DRY SKIN, CAUSE ALKALI BURNS, IRRITATE THE EYES AND THE UPPER RESPIRATORY TRACT. INGESTION CAN CAUSE IRRITATION OF THE THROAT.

EFFECTS OF CHRONIC EXPOSURE:

CEMENT DUST CAN CAUSE INFLAMMATION OF THE TISSUE LINING, THE INTERIOR OF THE NOSE, AND THE CORNEA (WHITE) OF THE EYE. HYPER SENSITIVE PEOPLE MAY DEVELOPED ALLERGIC DERMATITIS.

REPEATED INHALATION OF DUST MAY RESULT IN SILICOSIS.

CARCINOGENICITY NTP – YES IARC – YES OSHA – YES

CRYSTALLINE SILICA – IARC GROUP 1 AGENT

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## Preventive Measures

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PERSONAL PROTECTIVE EQUIPMENT.....

USE APPROVED (OHSA) DUST RESPIRATOR RATED N95 WHEN MIXING. USE A LOCAL VENTILATION. WEAR IMPERVIOUS RUBBER GLOVES. WEAR A FACE SHIELD OR SAFETY GLASSES WITH SHIELDS.

VENTILATION.....

VENTILATION SHOULD BE SUFFICIENT IN VOLUME AND DISTRIBUTION TO MAINTAIN DUST EXPOSURE BELOW THE TWA EV.

LEAK AND SPILL PROCEDURES.....

PICK UP SOLIDS. AVOID DUSTS ACCUMULATION. MOP UP OR ABSORB WITH AN INERT MATERIAL. SCRAPE UP AND DISPOSE INTO A DISPOSAL CONTAINER.

WASTE DISPOSAL.....

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

HANDLING PROCEDURES AND EQUIPMENT.

WEAR AN EYE PROTECTION APPARATUS. AVOID PROLONGED OR REPEATED SKIN CONTACT. AVOID BREATHING OF VAPOURS.

STORAGE REQUIREMENTS..... STORE IN A DRY AREA.

SPECIAL SHIPPING INFORMATION..... NOT REGULATED

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## First Aid Measures

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SPECIFIC FIRST AID PROCEDURES.....

FLUSH EYES AND CONTAMINATED SKIN WITH ABUNDANT WATER. SEEK MEDICAL ATTENTION. IF INGESTED, DRINK PLENTY OF WATER AND CONSULT A PHYSICIAN. IN CASE OF DISCOMFORT BY VAPOURS OR DUSTS,

MOVE TO A VENTILATED AREA. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

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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 FAX: (416) 255-1729

DATE PREPARED.....

August 4, 2009

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.

...FLEXTILE LTD.

N/D = NOT DETERMINED