

FLEXTILE LTD
Material Safety Data Sheet
5100 PORCELAIN BOND

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 IN CASE OF EMERGENCY.

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Material Identification

PRODUCT IDENTIFIER..... 5100 PORCELAIN BOND
 WHMIS CLASSIFICATION..... DIVISION 2 CLASS E

Hazardous Ingredients of Materials

CHEMICAL IDENTITY	CONC.	CAS#/NA#/UN#	ACGIH TLV	OSHA PEL
PORTLAND CEMENT	40-60 %	65997-15-1	10mg/m ³	15mg/ m ³
SILICA SAND, CRYSTALLINE QUARTZ	40-60 %	14808-60-7	0.1 mg/m ³	10 mg/m ³

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

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

Toxicological Properties of Product

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

Preventive Measures

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 TWAEV.

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

First Aid Measures

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.

Preparation Date of Material Safety Data Sheet

PREPARED BY.....

CHIEF CHEMIST

PHONE NUMBER OF PREPARER.....

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DATE PREPARED.....

26 Oct., 2016

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