Flextile Ltd.

Safety Data Sheet

Flex Epoxy 100

SECTION 1: IDENTIFICATION

Product: Flex Epoxy 100
Product Use: Epoxy Grout
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

GHS Classification

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Carc. 2	H351



GHS Signal Word	Warning	
GHS Classification:		
Skin corrosion / irritation	Category 2	Causes skin irritation
Serious eye damage / eye irritation	Category 2	Causes serious eye damage
Skins Sensitization	Category 1	May cause an allergic skin reaction
Carcinogenicity	Category 2	May cause cancer
GHS Hazard Statements	Causes skin irritation, may cause an allergic skin reaction, causes serious eye damage; may cause respiratory irritation; may cause cancer.	

GHS Hazard Statements

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious irritation
H351	Suspected of causing cancer

GHS Precautions

Code	Description
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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.
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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before use
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
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	Trade Secret	2508599-8	Not Classified
Limestone	Trade Secret	1317-65-3	Not Classified
Alkyl (c12-14) glycidyl ether	Trade Secret	68609-97-2	Not Classified
Titanium Dioxide	Trade Secret	13463-67-7	Carc. 2, H351
Amidoamine Blend Homopolymer	Trade Secret	Trade Secret	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Silica, amorphous, fumed, crystalline free	Trade Secret	112945-52-5	Not Classified

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

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	
Titanium Dioxide	13463-67-7	10 mg/m^3 TWA	15 mg/m^3 TWA (respirable)	US IDLH 5000 mg/m^3
Limestone	1317-65-3		15 mg/m^3 TWA (total dust), 5 mg/m^3 TWA (respirable)	NIOSH REL 10 mg/m^3 (total dust) 5 mg/m^3 (respirable dust)

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	Liquid
Odour and appearance	Slight ammonia/paste
Odour threshold	N/A
Specific gravity	1.42
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

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 compounds

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information based on the individual components.

Chemical Name	CAS No.	LD50/LC50
Titanium Dioxide	13463-67-7	ORAL LD50 (rat) >1000 mg/kg
Alkyl (c12-14) glycidyl ether	68609-97-2	ORAL LD50 (rat) 17100 mg/kg DERMAL LD50 (rat) >3987 mg/kg ORAL ATE US 17100 mg/kg
Silica, amorphous, fumed, crystalline-free	112945-52-5	ORAL LD50 (rat) 3160 mg/kg ORAL ATE US 3160 mg/kg

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.

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	Suspected of causing cancer
Reproductive toxicity	No data available
STOT-single exposure	May cause respiratory irritation
STOT-repeated exposure	Not Classified

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

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:

Titanium dioxide (13463-67-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer **(25085-99-8)**	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
Alkyl (C12-14) glycidyl ether (68609-97-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Limestone (1317-65-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

Titanium dioxide (13463-67-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

Titanium dioxide (13463-67-7)
U.S. - Massachusetts - Right To Know List U.S. - Minnesota - Hazardous Substance List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

Limestone (1317-65-3)
U.S. - Massachusetts - Right To Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

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).

Full text of H-phrases:

Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H351	Suspected of causing cancer

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 16th May 2018

Flextile Ltd. assumes no responsibility for injury to consumer or third persons 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 consumer or third persons caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, consumer assumes the risk in use of the material.
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