Flextile Ltd.

Safety Data Sheet

1000 Flexilastic

SECTION 1: IDENTIFICATION

Product: 1000 Flexilastic
Product Use: Crack isolation and sound reduction membrane
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

This product is a black, opaque, tacky solid with no odor. Product is not flammable but will burn under fire conditions. May cause mild eye and skin irritation. Contact with heated product may cause thermal burns. Inhalation of vapors from heated product may cause irritation of the nose, throat and respiratory system. However, it is a manufactured article as defined in 29 CFR 1200(c) and not considered to be hazardous when used/applied per manufacturer's guidelines.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Non-Hazardous Components >1%: Resins and Polymers 10 – 30%

Hazardous Components

Name	% by Weight	CAS No.	Classification
Asphalt (petroleum; bitumen)	50 - 80	8052-42-4	Carc. 2, H351
Calcium Carbonate	10 - 20	1317-65-3	Skin irritant 2, H315 Eye irritant 2B, H320 STOT SE 3, H335

SECTION 4: FIRST AID MESURES

EYE: First check victim for contact lenses and remove if present. Flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water. If rash or irritation develop, get medical attention. Launder clothing before re-use. (Discard contaminated shoes)
INGESTION: If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. DO not induce vomiting unless directed by medical personnel. Get medical attention.
INHALATION: Remove victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media	Dry chemical or foam. Use fog nozzles if water is used. Water streams may cause violent eruptions and spread the burning asphalt. Use water to cool fire exposed containers and structures.
Unsuitable Extinguishing Media	N/A

Hazardous Combustion Products	Carbon monoxide, sulfur oxides, hydrogen sulfide, acrolein aldehydes, benzaldehydes, ketones, and unidentified organic compounds may be formed on combustion.
Explosive Properties	N/A
Oxidizing Properties	N/A
Unusual Fire or Explosion Hazards	Product will burn if exposed to elevated temperatures or fire. Hot asphalt may ignite flammable mixtures on contact. Toxic vapours including hydrogen sulfide may be released upon combustion. Hydrogen sulfide vaours are heavier than air, may accumulate in low areas and flashback if ignited.
Special Firefighting Procedures	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear personal protective equipment, refer to Section 8 on this Safety Data Sheet for appropriate personal protection equipment. Refer to Section 13 for disposal information. If product becomes molten, allow product to cool before picking or scraping up.

SECTION 7: HANDLING AND STORAGE

Wear personal protective equipment. Avoid contact with skin and eyes, inhalation of vapours and mists. If product is heated use with adequate ventilation.
Contaminated clothing should be changed before entering eating areas. Do not eat or drink in work areas.
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 away from sources of heat or ignition.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS

Chemical Name	CAS No.	ACGIH TLV	OSHA PEL
Asphalt (petroleum; bitumen)	8052-42-4	0.5 mg/m^3 TWA	5 mg/m^3 TWA
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	Opaque black, tacky solid
Odour and appearance	Odourless
Odour threshold	N/A
Specific gravity	1.6 – 1.9
Melting point	104°C (220°F)
Freezing point	N/A
pH	N/A
Flash point	> 320°C
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	N/A
Solubility in oil	N/D
Octanol/Water coefficient	N/D
Calculated VOC content	0 g/l

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal storage and handling conditions.

Incompatible materials	Strong oxidizing agents. Avoid water is molten.
Conditions to avoid	Direct or indirect sources of high heat.
Hazardous decomposition products	CO, CO_2, NO_x, sulfur oxides, hydrogen sulfide, acrolein, aldehydes, and other unidentified organic compounds

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information based on the individual components.

Chemical Name	CAS No.	LD50/LC50
Asphalt	8052-42-4	Oral Rat LD50 5.0 g/kg Skin Rabbit LD50 2.0 g/kg Skin Rabbit 14100 µL/kg
Calcium Carbonate	1317-65-3	Oral LD50 6450 mg/kg (rat)

Routes of entry skin contact, eye contact, ingestion, inhalation
Effects of acute exposure Ingestion can cause throat irritation.
Effects of chronic exposure

Skin corrosion	May cause irritation, defatting of the skin and dermatitis. Contact with product at elevated temperatures may cause thermal burns.
Serious eye damage / irritation	May cause irritation with redness, tearing and blurred vision. Contact with product at elevated temperatures may cause thermal burns.
Respiratory or skin sensitization	May cause an allergic skin reaction, and respiratory irritation
Germ cell mutagenicity	No data available.
Carcinogenicity	No adverse effects expected at ambient temperatures. Prolonged inhalation of asphalt smoke has been shown to cause bronchitis, pneumonitis and abscess formation in laboratory animals. Asphalt fume condensates have been shown to cause tumorigenic responses when repeatedly applied to the skin of laboratory animals. Prolonged inhalation of talc dust may cause lung damage (pulmonary fibrosis), however, the talc in this product is bound in a polymer matrix and dust exposure would not be expected. Asphalt (petroleum, bitumen) is listed by IARC as “Possibly Carcinogenic to Humans”, Group 2B.
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	No data available

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

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: None reported

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** -- 1 **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
Phone number of preparer (416) 255-1111 FAX: (416) 255-1729
Date prepared 7th August, 2015

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.
The information and recommends set forth herein are believed to be accurate as some of the information is derived from information provided to Flextile Ltd. from suppliers and because Flextile Ltd. has no control over the conditions of handling and use. Flextile Ltd. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Flextile Ltd. assumes no responsibility for use or reliance thereon. It is the responsibility of the user to comply with all applicable federal, provincial, state, and local laws and regulations.