MATERIAL SAFETY DATA SHEET

*****THIS PRODUCT IS NOT CONTROLLED BY WHMIS*****

SECTION I - PRODUCT IDENTIFICATION

Product identifier: Durex Mastic 100
Chemical name: Water based acrylic emulsion
Product use: Exterior-type ready-mixed joint compound

Supplier name and address:
Information

Durabond Products Limited
59 Underwriters Road
Scarborough, Ontario
M1R 3B4

Hazard Rating	HMIS Rating
4 - EXTREME	HEALTH - 0
3 - HIGH	FLAMMABILITY - 0
2 - MODERATE	REACTIVITY - 0
1 - SLIGHT	SPECIAL - 0
0 - MINIMUM	

Emergency Telephone #: (613) 996-6666 (CANUTEC)

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	% (weight)	LC_{50}, ppm (inhalation, rat)	LD_{50}, mg/kg (Oral, rat)
Calcium carbonate	1317-65-3	40-70		N/Av 6450
Silica (quartz)	14808-60-7	15-40	N/Av	N/Av
Divinyl emulsion	N/Av	15-40	N/Av	N/Av

SECTION III - PHYSICAL DATA

Physical state, odour and appearance: Odourless liquid emulsion containing solid particles.
Odour threshold: N/Ap
Specific gravity (at 25°C): 1.875
Coefficient or water/oil distribution: N/Av
Vapour pressure (mm Hg @ 20°C): N/Av
Boiling point: 105°C
Freezing point: N/Av
pH: N/Av
Vapour density (Air=1.0): N/Av

Evaporation rate (ether=1.0): N/Av
Volatiles, %: 9.5%
Solubility in water (w/w): Incompletely soluble; forms an emulsion

SECTION IV - FIRE AND EXPLOSION DATA

Conditions of flammability: Product is not flammable, and will not burn under normal conditions.
Means of extinction: If a fire occurs around this product, use whatever means of extinction are appropriate to the type of fire.
Sensitivity to mechanical impact/static discharge: Not susceptible to static discharge or static discharge.
Flash point (Method): None
Lower/upper flammable limits (% by volume): N/Ap
Auto-ignition temperature: N/Av
Hazardous combustion products: None

SECTION V - REACTIVITY DATA

Stability: Stable. Hazardous polymerization will not occur.

Incompatible materials: None known
Conditions of reactivity: Dry film will decompose at temperature above 300^0C.
Hazardous decomposition products: None

SECTION VI - TOXICOLOGICAL PROPERTIES

Routes of exposure and acute/chronic effects

Primary routes of entry: Skin contact, eye contact, ingestion
Exposure limits: ACGIH TLV-TWA: 10 MG/m_3 (total dust) for nuisance particulates such as calcium carbonate; 0.1 mg/m_3 for silica (quartz) (respirable dust).

Inhalation: Inhalation of large amounts of vapour or spray may cause mild respiratory irritation.
Skin and eyes: Eye contact with liquid may cause mild irritation.
Ingestion: Ingestion of large amounts may cause mild gastrointestinal irritation, with nausea and possible vomiting.
Chronic effects: Prolonged or repeated skin contact may cause drying of the skin.
Carcinogenicity: IARC found limited evidence in humans and sufficient evidence in animals that inhalation of silica dust could contribute to lung cancer. These effects seem to associated in humans with silicosis. Avoid grinding or sanding dry product without respiratory protection.
Teratogenicity, mutagenicity, other reproductive effects: None known

Sensitization to material: Product is not known to cause allergies.
Synergistic materials: None known.

SECTION VII - FIRST AID

Inhalation: Remove victim to fresh air. If breathing difficulty does not improve rapidly, get patient to a doctor.
Skin: Wash skin with mild soap and water. Rinse thoroughly. See a doctor if irritation persists.
Eyes: Flush with plenty of water for at least 10 minutes. If irritation persists, get medical attention immediately.
Ingestion: Have victim drink plenty of milk, then induce vomiting. Get medical attention as quickly as possible. Never give anything by mouth if patient is unconscious.

SECTION VIII - PREVENTIVE MEASURES

Spill, leak or release: Absorb material absorbent such as rags, sand or vermiculite. Place in containers for disposal.
Waste disposal: Consult federal, provincial and local regulations for specific disposal information.

PROTECTIVE EQUIPMENT

Respiratory protection: None needed for normal use.
Engineering controls: Normal ventilation is sufficient.
Protective gloves: Gloves or protective clothing are usually not necessary but can be worn if desired.

Eye protection: Eye protection such as goggles may be used but are not necessary.
Other protective equipment: Not normally needed.

STORAGE AND HANDLING

Handling procedures and equipment: No special precautions are needed. The product should not be allowed to freeze.
Storage requirements: Store in a cool, dry area.
Special shipping instructions: Not regulated according to TDG.

SECTION IX - PREPARATION INFORMATION

Prepared by: Durabond Products Limited
Preparation date: April 2012
Telephone #: (416) 759-4474
Email: info@durabond.com

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Additional notes or references:

Abbreviations:

ACGIH:	American Conference of Governmental Industrial Hygienists
HMIS:	Hazardous Material Identification System
IARC:	International Agency for Research on Cancer
N/Ap:	Not applicable
N/Av:	Not available
WHMIS:	Workplace Hazardous Materials Information System
NIOSH:	National Institute for Occupational Safety and Health
TLV:	Threshold Limit Value
TWA:	Time Weighted Average

References:

1. Van Nostrand Reinhold, Dangerous Properties of Industrial Materials, Seventh Edition, N. Irving Sax.
2. Canadian Centre for Occupational Health and Safety. RTECS (Registry of Toxic Effects) and CHEMINFO databases.
3. ACGIH, Threshold Limit Values and Biological Exposure Indices for 1989-90.
4. International Agency for Research on Cancer Monographs, Supplement 7, 1988.