

EDCO TECHNOLOGIES INCORPORATED

Page 1 of 4

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION

MATERIAL NAME: **Ectoflex 4020 Polymer Component A**

MANUFACTURER	SUPPLIER
Edco Technologies Inc.	Edco Technologies Inc.
6178 Netherhart Drive	6178 Netherhart Drive
Mississauga, Ontario	Mississauga, Ontario
L5T 1B7	L5T 1B7
EMERGENCY PHONE: (905) 608-9966	EMERGENCY PHONE: (905) 608-9966

CANUTEC: (613) 996-6666 (after hours, in case of emergency only)

CHEMICAL NAME	Acrylic polymer	CHEMICAL FAMILY	Acrylic
TRADE NAME	Ectoflex 4020	CHEMICAL FORMULA	NA
MATERIAL USE	Mortar Mix Additive	MOLECULAR WEIGHT	NA

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	PERCENT (WT)	LD50 (rat,oral)
Water	NA	Minimum 50%	NA
Acrylic consists of	25037-33-6	Minimum 58% +/- 1%	NA
Methylmetacrylat	000080-62-6	15.00 to 17.00%	NA
Ethylhexylacrylat	000103-11-7	73.00 to 75.00%	NA

SECTION III - PHYSICAL DATA

PHYSICAL STATE	White liquid emulsion, slight acrylic odour
ODOUR/APPEARANCE	Slight emulsion odour
SPECIFIC GRAVITY	1.03-1, 1 gram/cm ³
DENSITY @ 20°C MEAN WEIGHT	1.02 g/cm ³
EVAPORATION RATE (Bac = 1)	< 1 water
SOLUBILITY IN WATER	Insoluble but mixable
% VOLATILE	53 water
COEFFICIENT OF WATER/OIL DISTRIBUTION	NE
ODOUR THRESHOLD (PPM)	NE
VAPOUR PRESSURE	Ca 23hPa (water) at 20°C
VAPOUR DENSITY (AIR=1)	< 1 water
MELTING POINT	0°C (32°F) water
BOILING POINT	100°C (212°F)
FREEZING POINT	0°C
ph value directly	7.5 to 8.5 at g/L water

SECTION IV - FIRE AND EXPLOSION HAZARD	
FLAMMABILITY	Non-flammable
UNDER WHICH CONDITIONS	NA
MEANS OF EXTINCTION	Water Mist, CO2, Foam, Powder Type.If a fire occurs around this product, use whatever means of extinction are appropriate to the type of fire. Product is not flammable and will not burn under normal conditions.
SPECIAL PROCEDURES	None
FLASH POINT (°C)	None
TEMPERATURE OF EBULLITION	100°C
AUTOIGNITION TEMPERATURE	NA
HAZARDOUS COMBUSTION PRODUCTS	None
SENSITIVITY TO MECHANICAL IMPACT	No
SENSITIVITY TO STATIC DISCHARGE	No
UPPER EXPLOSION LIMIT	NA
LOWER EXPLOSION LIMIT	NA

SECTION V - REACTIVITY DATA	
CHEMICAL STABILITY	This product is stable. Avoid temperatures above 177°C (350°F) (polymer decomposition). Thermal decomposition is dependent on time and temperature.
IF NO, UNDER WHAT CONDITIONS	NA
INCOMPATIBILITY TO OTHER SUBSTANCES	None established
IF YES, WHICH ONES	None recognized
REACTIVITY AND UNDER WHAT CONDITIONS	None
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition can cause the release of acrylates monomers.

SECTION VI - TOXICOLOGICAL PROPERTIES					
PRIMARY ROUTE OF EXPOSURE					
X	SKIN CONTACT	X	SKIN ABSORPTION	X	EYE CONTACT
X	INHALATION ACUTE	X	INHALATION CHRONIC	X	INGESTION

EFFECTS OF ACUTE EXPOSURE	
EYES	Liquid is sticky and may cause irritations, otherwise no known effects.
INHALATION	Long time use may cause headache and giddiness.
INGESTION	Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts will cause discomfort due to the stickiness of the product.

EFFECTS OF CHRONIC EXPOSURE	
SKIN	Prolonged or repeated skin contact may cause irritation.
INHALATION	Long time exposure may cause irritation to the mucous membranes.

ADDITIONAL HEALTH INFORMATION	
LD50 OF MATERIAL	NE
LC50 OF MATERIAL	NE
EXPOSURE LIMITS	NE
IRRITANCY OF MATERIAL	No
SENSITIZATION OF MATERIAL	None known
HAZARDOUS POLYMERIZATION	Will not occur
SYNERGISTIC MATERIALS	None known
CARCINOGENICITY	None known
REPRODUCTIVE EFFECTS	None known
TERATOGENICITY	None known
MUTAGENICITY	None known

SECTION VII - FIRST AID MEASURES	
EYES	Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention immediately.
SKIN	Wash skin with mild soap and water, rinse thoroughly. See a doctor if irritation persists.
INHALATION	Remove to fresh air.
INGESTION	If a large amount is ingested, and if the patient is conscious, drink plenty of water, then induce vomiting. Get medical attention. Never give anything by mouth if patient is unconscious.

SECTION VIII - SPECIAL PROTECTION INFORMATION	
PROTECTIVE GLOVES	Protective gloves should be worn in situations where prolonged skin contact may occur. Work clothes should prevent skin contact.
EYE PROTECTION	Glasses or goggles recommended.
RESPIRATORY PROTECTION	Adequate ventilation must be provided where necessary.
OTHER PROTECTIVE EQUIPMENT	Protect skin with water fast skin cremes.
ENGINEERING CONTROLS	General ventilation in closed working areas.

SECTION IX - SPILL OR LEAK INFORMATION	
ENVIRONMENTAL RELEASES	Build a dike around the spill with sawdust, rags or sweeping compound. Wipe up or absorb with porous material such as sawdust or rags.
WASTE DISPOSAL	Dispose after drying or incinerate in accordance with standard procedures used with latex products and in compliance with State and Federal regulations.

SECTION X - HANDLING AND STORAGE INFORMATION	
HANDLING PROCEDURES	Avoid unnecessary skin contact and wash thoroughly after handling.
STORAGE REQUIREMENTS	Store in a dry area and protect from frost. Can be stored for at least one year in the originally sealed drums.

SECTION XI - REGULATORY INFORMATION	
WHMIS CLASSIFICATION	Product not subject to WHMIS registration.
TDG CLASSIFICATION	Not regulated
UN NUMBER	Not regulated
TSCA (U.S.A.)	All ingredients on TSCA inventory.
CEPA (Canada)	All ingredients on DSL (Domestic Substances List).

SECTION XII - PREPARATION INFORMATION	
PREPARED BY	Larry Prouty
TELEPHONE NUMBER	(905) 564-6100
DATE OF PREPARATION	April 11, 2007
ADDITIONAL NOTES	NA = not applicable NE = not established

The information in this document is based on data available at the time of preparation and is believed to be reliable. However, this information is provided without warranty, expressed or implied, regarding its accuracy or results obtained from the use thereof. You must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this material.