

EDCO TECHNOLOGIES INCORPORATED

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MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION

MATERIAL NAME: **Ectoflex 646 Component A**

MANUFACTURER	SUPPLIER
Edco Technologies Inc.	Edco Technologies Inc.
20 Apple Creek Blvd.	1 Precision Rd.
Suite A1-177	Etobicoke, Ontario
Markham, Ontario L3R 5Z1	M9W 5H3
EMERGENCY PHONE: (905) 534-3326	EMERGENCY PHONE: (905) 534-3326
(416) 434-9394 (after hours, in case of emergency only)	

CHEMICAL NAME	Acrylic polymer
CHEMICAL FAMILY	Acrylic
TRADE NAME	Ectoflex 646
CHEMICAL FORMULA	NA
MATERIAL USE	Mortar Mix Additive
MOLECULAR WEIGHT	NA

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	PERCENT (WT)	LD50 (rat,oral)
Acrylic consists of	25153-46-2	Minimum 58% +/- 1%	NA
Methylmetacrylat	000080-62-6	15.00 to 17.00%	NA
Ethylhexylacrylat	000103-11-7	73.00 to 75.00%	NA
Water	NA	Minimum 50%	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
VAPOUR PRESSURE	Ca 23hPa (water) at 20°C
EVAPORATION RATE (Bac = 1)	< 1 water
SOLUBILITY IN WATER	Insoluble but mixable
% VOLATILE (VOLUME)	53 water
COEFFICIENT OF WATER/OIL DISTRIBUTION	NE
ODOUR THRESHOLD (PPM)	NE
DENSITY AT 20°C MEAN WEIGHT	1.02 g/cm ³
VAPOUR DENSITY (AIR=1)	NE
MELTING POINT	0°C (32°F) water
BOILING POINT	100°C (212°F)
FREEZING POINT	-17.5°C (0°F)
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	Self-contained breathing apparatus should be worn to avoid smoke or vapours.
FLASH POINT (°C)	None
TEMPERATURE OF EBULLITION (BOILING)	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		
<input checked="" type="checkbox"/> SKIN CONTACT	<input checked="" type="checkbox"/> SKIN ABSORPTION	<input checked="" type="checkbox"/> EYE CONTACT
<input checked="" type="checkbox"/> INHALATION ACUTE	<input checked="" type="checkbox"/> INHALATION CHRONIC	<input checked="" type="checkbox"/> 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
CARCINOGENICITY	None known
REPRODUCTIVE EFFECTS	None known
TERATOGENICITY	None known
MUTAGENICITY	None known

SECTION VII - FIRST AID MEASURES	
SKIN	Wash skin with mild soap and water. Rinse thoroughly. See a physician if irritation persists.
EYES	Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention immediately.
INHALATION	Remove to fresh air.
INGESTION	If a large amount is ingested, and 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	Rolf Brockman
TELEPHONE NUMBER	(905) 534-3326
DATE OF PREPARATION	January 15, 2013
ADDITIONAL NOTES	NA = not applicable NE = not established

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