

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. |
| 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 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 | Larry Prouty |
| TELEPHONE NUMBER | (905) 564-6100 |
| DATE OF PREPARATION | April 11, 2007 |
| ADDITIONAL NOTES | NA = not applicable NE = not established |

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