



Fish Creek Excavating Ltd.

MATERIAL SAFETY DATA SHEET**SECTION 1 - PRODUCT IDENTIFICATION AND USE**

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| PRODUCT IDENTIFIER: FCE - Nordegg Limestone Rock Products | WHMIS CLASSIFICATION: Class D, Division 2B |
| TRADE NAME: Fish Creek Excavating - Nordegg Quarry Limestone Rock Products | |
| PRODUCT USE: Various rock and crushed rock applications | |
| MANUFACTURERS/SUPPLIERS NAME: Fish Creek Excavating Ltd. | |
| MANUFACTURERS/SUPPLIERS NAME: 7515 - 84 th Street SE | |
| CITY: Calgary PROVINCE: Alberta | |
| P.C. T2C 4Y1 | EMERGENCY TEL.NO: 8AM-4:30PM Weekdays (403) 248-8222 |

SECTION 2 - HAZARDOUS INGREDIENTS

| INGREDIENTS | BY WEIGHT (%) | CAS NUMBER | LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE) | LC ₅₀ OF INGREDIENT (SPECIFY SPECIES) |
|---------------------|---------------|------------|---|---|
| Calcium carbonate | 92.0-98.0 | 471-34-1 | N/A | N/A |
| Magnesium carbonate | 0.5-2.0 | 546-93-0 | N/A | N/A |
| Silicon Oxide | < 0.3 | 14808-60-7 | N/A | N/A |

SECTION 3 - PHYSICAL DATA

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| PHYSICAL STATE: Solid | ODOUR & APPEARANCE: Odourless Gray Rock | | | ODOUR THRESHOLD (ppm): N/A |
| VAPOUR PRESSURE (mm Hg): N/A | VAPOUR DENSITY (AIR=1): N/A | EVAPORATION RATE N/A | BOILING POINT (°C) N/A | FREEZING POINT (°C) N/A |
| pH: 7.5-8.7 | SPECIFIC GRAVITY: 2.70 | COEFF. WATER/OIL DIST. N/A | SOLUBILITY IN WATER: Negligible. | |

SECTION 4 - FIRE AND EXPLOSION DATA

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| FLAMMABILITY: YES NO <input checked="" type="checkbox"/> IF YES, UNDER WHICH CONDITION: | | |
| MEANS OF EXTINCTION: N/A (non-flammable) | | |
| FLASHPOINT (°C) AND METHOD: N/A | UPPER FLAMMABLE LIMIT (% BY VOLUME): N/A | LOWER FLAMMABLE LIMIT (% BY VOLUME): N/A |
| AUTOIGNITION TEMPERATURE (°C): N/A | HAZARDOUS COMBUSTION PRODUCTS: N/A | |
| EXPLOSION DATA: SENSITIVITY TO IMPACT: N/A | | SENSITIVITY TO STATIC DISCHARGE: N/A |

SECTION 5 - REACTIVITY DATA

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| PRODUCT IDENTIFIER: FCE - Nordegg Limestone Rock Products |
| CHEMICAL STABILITY: Yes |
| INCOMPATIBILITY WITH OTHER SUBSTANCES: NO |
| REACTIVITY, AND UNDER WHAT CONDITIONS: Reacts with acids to liberate carbon dioxide. |
| HAZARDOUS DECOMPOSITION PRODUCTS: None |
| HAZARDOUS POLYMERIZATION: This will not occur. |

SECTION 6 - TOXICOLOGICAL PROPERTIES

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| ROUTE OF ENTRY: Eye Contact, Inhalation, Ingestion, Skin Contact | | | |
| EFFECTS OF ACUTE EXPOSURE TO PRODUCT: No acute effects. | | | |
| EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: As is true with any mineral product, long-term over-exposure to high concentrations of dust from this aggregate without the use of a dust mask may affect respiratory functions. | | | |
| EXPOSURE LIMITS: TLV limestone 10mg/m ³ TLV crystalline silica 0.1 mg/m ³ | IRRITANCY OF PRODUCT: Can cause irritation of eyes & upper respiratory system. | SENSITIZATION TO PRODUCT: Allergic dermatitis may develop in hypersensitive people | CARCINOGENICITY: See below. |
| TERATOGENICITY: N/A | REPRODUCTIVE TOXICITY: N/A | MUTAGENICITY: N/A | SYNERGISTIC PRODUCTS: Not known |
| <p>CARCINOGENICITY: There are no reported health risks associated with the prolonged exposure to pure calcium carbonate. Chronic exposure to respirable limestone dust at concentrations exceeding occupational exposure limits may increase the risk of developing pneumoconiosis (lung disease).</p> <p>Calcium carbonate products usually contain traces of quartz (crystalline silica) as an impurity. Prolonged exposure to respirable crystalline silica dust at concentrations exceeding the occupational exposure limits may increase the risk of developing a disabling lung disease known as silicosis. IARC found limited evidence for pulmonary carcinogenicity of crystalline silica in humans.</p> | | | |

SECTION 7 - PREVENTIVE MEASURES

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| PERSONAL PROTECTIVE EQUIPMENT: Use all as specified | | |
| GLOVES (SPECIFY): Non-essential | RESPIRATOR (SPECIFY): Wear a dust mask approved by OH&S for dusty conditions. | EYE (SPECIFY): Non-essential but protective goggles desirable in dusty environment. |
| FOOTWEAR (SPECIFY): Non-essential. | CLOTHING (SPECIFY): Non-essential. | OTHER (SPECIFY): None |
| ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS): Ventilation should be sufficient in volume and distribution to maintain dust exposure below the TLV levels. | | |
| LEAK AND SPILL PROCEDURE: Remove by dry cleanup methods that minimize the dispersion of dust. Avoid breathing the dust. | | |
| WASTE DISPOSAL: Product should be disposed of in accordance with applicable local, Provincial and Federal regulations. | | |
| HANDLING PROCEDURES AND EQUIPMENT: Minimize dust exposure. | | |
| STORAGE REQUIREMENTS: Store in a dry place. | | |
| SPECIAL SHIPPING INFORMATION: None | | |

SECTION 8 - FIRST AID MEASURES

Product Identifier: FCE - Nordegg Limestone Rock Products

SPECIFIC MITIGATIVE MEASURES:

Skin: Wash exposed areas of the body with soap and water.

Eyes: Wash eyes with large amount of water.

Inhalation: Move person to fresh air.

Ingestion: **DRINK LARGE AMOUNTS OF WATER.**

SECTION 9 – REGULATORY INFORMATION

DSL: By virtue of its status as a "substance occurring in nature", ground limestone is considered to be on the Canadian Domestic Substances List. In addition, all other ingredients and/ or processing aids are also on the DSL.

TSCA: This product primarily is natural calcium carbonate from limestone ore, which is listed on the U.S. EPA TSCA inventory under Limestone (CAS# 1317-65-3). In addition, all other ingredients and/ or processing aids are also in the TSCA inventory.

CONEG: Being derived from limestone ore, this product may contain incidental trace levels of naturally occurring metals. However, no metals are intentionally added and this product complies with the CONEG requirement of < 100 ppm of Cd, Cr⁺⁶, Pb and Hg.

ODCs: This product does not contain, nor is it manufactured with, any U.S. EPA-defined Class I or Class II ozone-depleting chemicals.

SECTION 10 - PREPARATION DATE OF MSDS

The information contained herein is based on data considered true and accurate to the best reasonably available information. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Fish Creek Excavating assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. This information is offered solely for informational purposes and is subject to your own independent investigation and verification.

PREPARED BY (GROUP, DEPARTMENT, ETC.):

SPR & Custom Crushing Department

PHONE NUMBER:

(403) 248-8222

DATE:

January 1, 2017