

MATERIAL SAFETY DATA SHEET

Technical Barrier Systems
151 Randall Street
Oakville, Ontario, Canada, L6J 1P5
(905) 842-9488

PRODUCT : Mar Kit (minus Cemtex)

SECTION 01 : PRODUCT INFORMATION

Supplier Technical Barrier Systems Inc.
Product Identifier
TradeName Mar Kit
Prepared by
Preparation Date 7/24/2003
Revision #
All of the ingredients of this product are listed on the Domestic
Substance List (DSL)
CEPA Status
Chemical Family
Chemical Formula
Chemical Name
Material Use
Molecular Weight
T.D.G. Classification
WHMIS Classification

SECTION 02 : HAZARDOUS INGREDIENTS**HAZARDOUS INGREDIENTS, %, EXPOSURE LEVELS, C.A.S. #, LD/50, ROUTE, SPECIES, LC/50, ROUTE, SPECIES**

Portland Cement	35.3	65997-15-1	10*	N/A
Dolomite	53.2	16389-88-1	N/A	N/A
Calcium Carbonate	12.3	1317-55-3	10*	6,450 mg/kg (oral, mouse)

* total dust containing less than 1% free silica

SECTION 03 : PHYSICAL DATA

PHYSICAL STATE Solid
ODOUR/APPEARANCE Odorless white powder
ODOUR THRESHOLD None
VAPOUR PRESSURE N/A
VAPOUR DENSITY (AIR=1) N/A
% VOLATILE: N/A
BY VOLUME
BY WEIGHT
EVAPORATION RATE N/A
BOILING POINT 899 (decomp.)
FREEZING POINT N/A
pH 11 (approx.) (1.100)
SPECIFIC GRAVITY 2.71 (approx.)
SOLUBILITY IN WATER (g/ml@20C) 0.001 (aprox.)
COEFFICIENT WATER/OIL DIST. N/A

SECTION 04 : FIRE & EXPLOSION DATA

FLAMMABILITY No
IF YES, UNDER WHAT CONDITIONS
MEANS OF EXTINCTION N/A
SPECIAL PROCEDURES N/A
FLASHPOINT AND METHOD N/A
AUTO IGNITION TEMPERATURE N/A
T.D.G. FLAMMABILITY CLASS
UPPER EXPLOSION LIMIT
LOWER EXPLOSION LIMIT
HAZARDOUS COMBUSTION PRODUCTS
EXPLOSION DATA
SENSITIVITY TO STATIC N/A
DISCHARGE

PRODUCT :

Mar Kit (minus Cemtex)

SENSITIVITY TO IMPACT	N/A
RATE OF BURNING	N/A
EXPLOSIVE POWER	N/A

SECTION 05 : REACTIVITY DATA

CHEMICAL STABILITY
 STABLE? Yes
 CONDITIONS TO AVOID

COMPATIBILITY W/OTHER SUBSTANCES
 YES

INCOMPATIBLE MATERIALS Fluorine

REACTIVITY Reacts violently with fluorine
 UNDER WHAT CIRCUMSTANCES Decomposes to carbon dioxide above 600 C

HAZARDOUS PRODUCTS OF DECOMPOSITION

SECTION 06 : TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY
 SKIN CONTACT
 SKIN ABSORPTION
 EYE CONTACT
 INHALATION, ACUTE Yes
 INHALATION, CHRONIC Yes
 INGESTION Yes

EFFECTS OF ACUTE EXPOSURE
 Dust is irritating to the nose, throat and respiratory tract, and may cause coughing and sneezing. Dust may cause skin irritation due to abrasive action. Dust may cause irritation, redness, and possible eye damage due to abrasiveness. Ingestion of large amounts of dust may cause gastrointestinal upset and abdominal pain.

EFFECTS OF CHRONIC EXPOSURE
 Calcium carbonate and Portland cement may contain crystalline silica. If present in quantities greater than 1%, exposure to airborne concentrations may increase the risk of developing silicosis, a disabling lung disease. Silicosis is characterized by cough, production of sputum, dyspnea, wheeze, silicotic nodules on lungs, and impaired pulmonary function. In advanced stages: fever, weight loss, cyanosis, clubbing of fingers, bacterial infections and death due to complications involving tuberculosis. This material may contain crystalline silica which has been evaluated by IARC (International Agency for Research on Cancer), and was determined as probably carcinogenic to man.

LD 50 OF MATERIAL, SPECIES & ROUTE

LC 50 OF MATERIAL, SPECIES & ROUTE No data
EXPOSURE LIMIT OF MATERIAL No data
IRRITATION CAUSED BY MATERIAL No data

SENSITIZING CAPABILITY OF MATERIAL
CARCINOGENICITY OF MATERIAL
REPRODUCTIVE EFFECTS The ingredients of this product are not reproductive toxins
SYNERGISTIC MATERIALS No data

SECTION 07 : PREVENTIVE MATERIALS

PROTECTIVE EQUIPMENT
GLOVES/TYPE Use gloves and protective clothing made of material which has been found by user to be impervious under conditions of use.
RESPIRATORY/TYPE A NIOSH/MSHA approved respirator is required.
EYE/TYPE Safety glasses with side shields are recommended to prevent eye contact.
FOOTWEAR/TYPE No data
CLOTHING/TYPE
OTHER/TYPE

ENGINEERING CONTROLS Use local exhaust or general ventilation to keep the air levels below the applicable exposure limits.

PRODUCT :

Mar Kit (minus Centex)

SPILL/LEAK SPILL/LEAK

Collect product for reuse or disposal. For release to land, contain storm water runoff by dyking with earth or other barrier; for release to water, use daming and/or water diversion to minimize the spread

WASTE DISPOSAL, METHOD AND EQUIPMENT

Dispose of waste material at an approved landfill site, in accordance with applicable provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer system.

HANDLING PROCEDURES AND EQUIPMENT

None

STORAGE NEEDS

Store in a dry place

SPECIAL SHIPPING INSTRUCTIONS

None

SECTION 08 : FIRST AID MEASURES

EYE CONTACT

Immediately flush eyes with water to remove material. Call a physician if irritation develops.

SKIN CONTACT

Wash skin with soap and water

INGESTION

If conscious, give large quantities of water to induce vomiting. Get medical attention.

INHALATION

Remove to fresh air. Get medical help for any breathing difficulty.

NOTES TO PHYSICIAN

SECTION 09 : PREPARATION INFORAMTION

PHONE #

888-537-2888