

MATERIAL SAFETY DATA SHEET

PRODUCT: CPD TRAPROCK



SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER: CPD Construction Products
 219 Connie Crescent, Unit #13
 Concord, Ontario Canada L4K 1L4

24 HOUR EMERGENCY NUMBER: CANUTEC: (613) 996-6666

APPLICATION AND USE: Skid resistant aggregate for traffic membrane systems.

PRODUCT DESCRIPTION: Basalt aggregate consisting of a range of different gradations. All gradations have the same chemical composition. Aggregate is washed and dried (dust free).

SECTION 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit (TWA)	C.A.S.#	LD/50 Route, Species	LC/50 Route, Species
**Silica Quartz (Quartz)	2-3	0.1mg/m ³ air (for silica)	14808-60-7	Not Available	Not Available
Aluminium Oxide	10-30	10mg/m ³ air	1344-28-1	Not Available	Not Available
Ferric Oxide	1-5	Not Available	1309-37-1	Not Available	Not Available
Calcium Oxide	1-2	10mg/m ³ air	1305-78-8	Not Available	Not Available

**Basalt aggregate contains Quartz. The Quartz that exists as dust particles with an aerodynamic diameter less than 5 microns is hazardous when inhaled. An approved dust mask (for Crystalline Silica) should be worn by workers handling this product in the dry state.

SECTION 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:

EYE CONTACT: May irritate through abrasive action.

SKIN CONTACT: Skin abrasions can occur if material is rubbed against skin.

INHALATION (ACUTE):..... Crystalline Silica (Quartz) dust particles below 5 microns in diameter may be present in this product. Excessive exposure to dust from this product may result in irritation of nasal tissue, coughing and shortness of breath.

INGESTION: Can cause Irritation to throat. Product is inert chemically.

EFFECTS OF CHRONIC EXPOSURE Excessive exposure (inhalation) could lead to development of the irreversible lung disease "Silicosis."

SECTION 04: FIRST AID MEASURES

EYE CONTACT Flush eyes with water for at least 15 minutes holding eyelids open. If irritation persists see physician to remove particles.

SKIN CONTACT Wash hands with soap and water. Apply good quality hand lotion.

INHALATION Remove to fresh air.

INGESTION Will irritate throat. Give individual water and see physician.

MATERIAL SAFETY DATA SHEET

SECTION 05: FIRE FIGHTING MEASURES

FLASH POINT (deg C), METHOD.....	Non-combustible material
AUTO IGNITION TEMPERATURE (deg C)	Not applicable
UPPER FLAMMABLE LIMIT (% VOL)	Not applicable
LOWER FLAMMABLE LIMIT (% VOL)	Not applicable
EXTINGUISHING MEDIA	Not applicable
SPECIAL FIRE FIGHTING PROCEDURES.....	Not applicable
HAZARDOUS COMBUSTION PRODUCTS....	Not applicable
SENSITIVITY TO MECHANICAL IMPACT ...	Not applicable.
SENSITIVITY TO STATIC DISCHARGE	Not applicable.

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL:	Sweep area with dust retarding floor sweeping compound.
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SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES	Use adequate ventilation. Do not breathe dust. Observe good personal hygiene.
STORAGE NEEDS	Product should be stored under dry conditions. May be sorted off the ground and under waterproof tarp in the field for short periods of time but warehouse storage is recommended. Aggregate contaminated by water cannot be used.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:	
EYE / TYPE	Wear safety goggles with side shields.
RESPIRATORY PROTECTION:	For operations where inhalation exposure can occur, a NIOSH approved respirator may be necessary.
GLOVES/TYPE	Wear suitable gloves, e.g. PVC or Neoprene.
CLOTHING/TYPE	Wear adequate protective clothes.
FOOTWEAR/TYPE	Safety boots per local regulations.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Solid
VAPOUR PRESSURE (mmHg) ,.....	Not applicable
SPECIFIC GRAVITY @ 20°C (68°F)	3.0
VISCOSITY	Not applicable
FREEZING POINT (deg C)	Not applicable
VAPOUR DENSITY (Air=1)	Not applicable
BOILING POINT	Not applicable
SOLUBILITY IN WATER (% W/W).....	Nil
ODOUR	None
APPEARANCE	Charcoal to dark grey coloured aggregate. Varies in size depending on gradation.
EVAPORATION RATE	Not applicable
% VOLATILE	Not applicable
pH LEVEL	Not applicable

MATERIAL SAFETY DATA SHEET

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY CONDITIONS	Product is stable, hazardous polymerization will not occur.
INCOMPATIBILITY	Avoid contact with acids and oxidizers.
HAZARDOUS PRODUCTS OF DECOMPOSITION	None.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY (LD50)	See Page 1, Section 2
IRRITANCY OF MATERIAL	May cause irritation.
SENSITIZING CAPABILITY OF MATERIAL...	Not available
CARCINOGENICITY OF MATERIAL	Crystalline Silica is classified by IARC as "2A-Probably Carcinogenic to humans."
TERATOGENICITY	Not available.
MUTAGENICITY	Not available.
REPRODUCTIVE EFFECTS	Not available.

SECTION 12: ECOLOGICAL INFORMATION

FISH TOXICITY (1)	Not available.
BIODEGRADABILITY	Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Dispose of as normal garbage. No special precautions required. Inert mineral aggregate.
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SECTION 14: TRANSPORTATION INFORMATION

TDG CLASSIFICATION	Not Regulated
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SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION	Class D Division 2, Subdivision A
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SECTION 16: OTHER INFORMATION

ACGIH	American Confederation of Governmental Industrial Hygienists
IARC.....	International Agency for Research on Cancer
NTP.....	National Toxicology Program
STEL	Short Term Exposure Limit
TWA	Time-Weighted Average
OSHA	Occupational Safety and Health Administration
N/A	Not available

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PREPARATION DATE:	November 10 th , 2011

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