

Material Safety Data Sheet

Identity of Material: **X-Trem C.E.C. WATER CONDITIONER**

Section 1 **General Information**

Manufacturer's Name: King Global Inc.
Emergency Telephone #: 800-663-3429
Address: 865A Mgr. Langlois, Valleyfield, Qc, Canada
Information Telephone #: 450-373-7330
Date MSDS prepared: November 11, 2011

Section 2 **Physical and Chemical Characteristics**

<u>Cas #</u>	<u>Chemical Name</u>	<u>%</u>	<u>OSHA Pel</u>
14808-60-7	Quartz Dorsilit Flower	100	None Established

Non Chemical SiO₂

E.I.N.E.C.S.; 238.878.4

Components contributing to the hazard: Impurities:

- **Impurities:** NONE
- **Additives:** not applicable
- **Constituents:** silicon is regarded as hazardous in its fraction less than 10 microns

Section 3 **Hazards Identification**

Hazard:

Health: inhalation of respirable crystalline silica can cause silicosis hazard

Environment: void

Physical and chemical hazards: none

Specific hazards: Silicosis

Main symptoms: silicosis is usually manifested by symptoms of coughing and shortness of breath.

Labelling:

Bulk: Not applicable

Bags: words "DO NOT BREATHE DUST"

Section 4 First Aid Measures

Inhalation: see a doctor

Skin contact: wash with water without any danger

Eye contact: wash with water

Ingestion: see a doctor

Action to Avoid: none

Special protections rescuers: none

Instructions for the doctor: Product Nature

Section 5 Fire Fighting Measures

Does not burn. No hazardous emissions in case of fire

Extinguishing Media: Not applicable

Specific hazards: Not applicable

Specific methods: not applicable

Protection of fire: NA

Section 6 Accidental Release Measures

Personal precautions: Avoid dust formation. A suitable respirator must be worn in case of dusty environment (wearing the dust mask and goggles). Remove and wash soiled clothing.

Measures for environmental protection: none

Cleaning method: suction recovery, avoid dry sweeping and use the vaporized water to prevent dust formation.

Section 7 Handling and Storage

Technical measures, precautions and usage tips: the material can be preferably used wet or dry in a process with a suction system. Airborne dust should be vacuumed from their point of emission.

storage:

Technical measures and storage conditions: Capturing dust at setting silo or when using the bags.

Incompatible materials: none

Packaging materials: paper bag

Section 8 Exposure Control Personal Protection

Engineering measures: Ensure to perfectly dusting the place of use

Control parameters: the premises with specific pollution, the average concentrations of total and respirable dust inhaled from the atmosphere by a person, evaluated over a period of eight hours, must not exceed respectively 10 and 5 mg / M³. (Art. 232.5.5 R. Of the Labor Code) The decree No. 97-331 of 10-04-97 defines an index of exposure to abide by when inhalation of respirable dust of the mixture of non silicogène dust and crystalline silica particles.

Cris + Cg + CC + CT must be <1

Vns 0.1 0.05 0.05

Cree / Vns is the ratio of the concentration of non silicogenic measured dust.

Cq / 0.1, Cc / 0.05, Ct10.05 are concentration ratios quartz, cristobalite and tridymite.

Vns is the average limit value of respirable dust concentration not silicogenic, quartz (5 mg / m³).

Personal protective equipment:

Respiratory protection: wear masks

Hand protection: none

Eye protection: goggles

Skin and body other than hands: none

Hygiene measures: Do not shake work clothes and do not dust off with compressed air.

Section 9 Physical and Chemical Properties

Physical State: Solid Form:	Crystalline
Colour:	White
Smell:	none
PH:	5-8
Melting point	1700 ° C
Boiling temperature	2230 ° C
Decomposition temperature:	not applicable
Flash point:	none
Auto-ignition:	not applicable
Explosive properties:	none
Vapour pressure:	not applicable
Vapor Density:	Not applicable
Density:	Absolute 2.650 g / cm ³
Apparent:	S4: S5 1.15 1.05 S6: S7 1.00 1.00 S10: S400 0.92 0.75
Solubility:	insoluble in water, soluble in hydrofluoric acid
Partition coefficient:	n / octanol / water: not applicable

Section 10 Stability and Reactivity

Stability:	None
Conditions to avoid:	none
Materials to avoid:	none
Hazardous decomposition products:	none

Section 11 Toxicological Information

Acute toxicity:	None
Local effects:	negative
Sensitization:	negative
Chronic toxicity:	Silicosis (see Table 25 of occupational diseases)
Long term toxicity:	risk of silicosis by prolonged exposure to polluted environment.

-Prolonged and / or massive to respirable dust containing quartz may cause silicosis pulmonary fibrosis that is caused by the deposition in the lungs of respirable crystalline silica particles.

- The IARC thinks that inhalation by man of "crystalline silica", exposed to the product at the workplace, may be a cause of lung cancer. Note, however, that neither the overall conditions of work, or any type of n silica have been implicated.

- The institutes of Occupational Medicine (IOM) concluded, about the carcinogenicity of crystalline silica that "the epidemiological evidence deemed and performed, is inadequate to determine whether crystalline silica can be considered carcinogenic for men, however, we can see a predisposition to developing lung cancer among people already suffering from silicosis even if it is impossible to determine a direct effect of silica for this cancer.

- Scientific sources argue that respirable crystalline silica is not genotoxic.

- There is also a good probability that the increased relative risk of cancer is limited to people already suffering from silicosis. Thus, in the regulatory situation and the current state of knowledge, personnel protection appears satisfactorily ensured by the respect of the above exposure limits.

Specific effects: none

Section 12 Ecological Information

Mobility:	none
Persistence / degradability:	negative Bioaccumulation: none Eco toxicity: none
Specific effects:	none.

Section 13 Disposal Considerations

Waste from residues / unused products: may be disposed of in accordance with local regulations. The product must be covered to prevent emissions respirable dust.

Packaging: in all cases, it is necessary to prevent dust from formation from residues in packaging and ensure appropriate protection of personnel.

The reuse of packaging is not recommended.

Section 14 Transport Information

RESTRICTIONS:

Ground: none

River Way: none

Seaway: none

Air: None

Section 15 Regulatory Information

Community regulations: none

Classifying the ground silica dangerous in its fraction less than 10 microns.

Identification of the bags: "DO NOT BREATHE DUST"

Legal Notices: see Annex

Section 16 Other Information

This sheet completes the technical sheet but does not replace it.

The information it contains is based on the state of our knowledge about the product concerned, on the date indicated. The user's attention is drawn to the possible risks incurred when a product is used for other purposes than those for which it is designed. It in no case exempt the user from knowing and applying all the regulations governing his activity. He will make his sole responsibility the precautions related to his use of the product.