



## MATERIAL SAFETY DATA SHEET

Date: August 31, 2010

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** KlingonBlue™  
**CHEMICAL NAME:** Mixture of Minerals and other Ingredients  
**CAS NUMBER:** N/A

**TYPICAL USES:** Animal Foot Bath

**MANUFACTURER:** FloChem Ltd.  
6986 Wellington Rd. 124  
Guelph, ON, N1H 6J4  
519-763-5441

**EMERGENCY CONTACT:** 877-378-7745 (After Hours)

### SECTION 2 - HAZARDS IDENTIFICATION

**Color:** Light Blue/Gray  
**Appearance:** Powder  
**Odor:** Typical of Minerals

#### Potential Health Effects

**Eye:** May cause eye irritation.

**Inhalation:** Breathing dust may cause coughing, sneezing and/or respiratory irritation.

**Skin:** May cause skin irritation.

**Ingestion:** Large amounts may be harmful.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous substances

#### SECTION 4 - FIRST AID MEASURES

- Eyes:** Flush eyes with clean, low-pressure water for at least 15 minutes while occasionally lifting eyelids. If irritation persists, get medical attention.
- Inhalation:** Avoid generating dust. No adverse effects anticipated by breathing small amounts during proper industrial handling. If there is difficulty breathing, remove from contaminated area to fresh air and get medical attention.
- Skin:** If extensive skin contact occurs, remove contaminated clothing and wash contacted skin with soap and water. If irritation continues, seek medical attention.
- Ingestion/Swallowing:** Rinse mouth. Drink plenty of water. Do not give anything by mouth to an unconscious person. Seek medical attention.

#### SECTION 5 - FIRE FIGHTING MEASURES

- |  |   |
|--|---|
| <b>Flammable Properties:</b>               | Not determined                                |
| <b>Flammable Limits:</b>                   | Not determined                                |
| <b>Unusual Fire and Explosive Hazards:</b> | Not determined                                |
| <b>Fire Extinguishing Media:</b>           | Foam, CO <sub>2</sub> , dry chemical or water |

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Steps to be taken if material is accidentally released or spilled:** Sweep, scoop or vacuum discharged material. Keep dust to a minimum. Dispose by methods consistent with federal, state and local regulations.

#### SECTION 7 - HANDLING AND STORAGE

- |                                      |  |
|--------------------------------------|--|
| <b>General Handling Precautions:</b> | Use adequate ventilation and dust collection. Practice good housekeeping.            |
| <b>Storage Information:</b>          | Store in a cool dry location away from incompatible materials.                       |
| <b>Shelf life:</b>                   | Best used within 6 months of manufacture. Clumping may occur under humid conditions. |
| <b>Special Sensitivity:</b>          | None known   |

#### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- |   |   |
|---|---|
| <b>Engineering Controls:</b>              | Provide ventilation and particulate control to maintain airborne levels below the exposure guidelines of 10mg/m <sup>3</sup>                            |
| <b>Personal Protective Equipment:</b>     | Always recommended  |
| <b>Eye Protection:</b>                    | Contact may cause irritation. Use safety goggles and glasses.   |
| <b>Respiratory/inhalation Protection:</b> | May cause irritation of the nasal membranes or the upper respiratory tract if dust exceeds the nuisance level. Use NIOSH-MSHA approved dust respirator. |
| <b>Skin Protection:</b>                   | Normally no harmful effects. As a general precaution, use gloves.   |
| <b>Ingestion:</b>                         | Large amounts may be harmful. Get medical attention.  |

**Permissible Exposure Limits:**

Not Established

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Light Blue/Gray Powder  
**Physical State:** Mixture

**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under normal conditions.  
**Material Incompatibility:** None Known  
**Conditions to avoid:** Keep dry  
**Hazardous Decomposition Products:** None Known

**SECTION 11 - TOXICOLOGICAL INFORMATION**

No harmful effects are known

**SECTION 12 - ECOLOGICAL INFORMATION**

No environmental risk assessment has been made on this product.  
This product contains known marine pollutant copper sulfate.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Observe all federal, state and local regulations when disposing of this product. State and local regulations regarding proper disposal may be more restrictive or otherwise different from Federal regulations.

**SECTION 14 - TRANSPORT INFORMATION**

Not a D.O.T. Hazardous Material (49 CFR 172.101). Not regulated  
Labeling: Containers of this product need no special warning labels. Only a product identity label is needed.

**SECTION 15 - REGULATORY INFORMATION**

**U.S. Federal Regulations:**

Zinc Sulfate-CERCLA RQ: 1,000 lb  
-Clean Water Act RQ: 1,000 lb

Copper Sulfate-CERCLA RQ: 10 lb  
-Clean Water Act RQ: 10 lb

**Date: August 31, 2010**

**SARA Title III Section 313 Supplier Notification:**

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know act of 1986 (40 CFR 372):

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percent by Weight</u>
Zinc Compounds	NA	28.0
Copper Compounds	NA	28.0

This information must be included in all MSDS's that are copied and distributed for this material

**State Regulations**

**Zinc Sulfate**                      **CAS Number 007733-02-0**

California Hazardous Substance List Source: 2  
Delaware Air Quality Management List: DRQ: 1000; RQ State: Federal Regulations Apply  
Massachusetts Hazardous Substance Codes: F8 F9  
New York List of Hazardous Substances: RQ - Air: 1000; RQ - Land: 100  
Pennsylvania Hazardous Substance Codes: E

**Copper Sulfate**                      **CAS Number 007758-98-7**

California Hazardous Substance List Source: 2  
Delaware Air Quality Management List: DRQ: 10; RQ State: Federal Regulations Apply  
Massachusetts Hazardous Substance Codes: F8 F9  
New York List of Hazardous Substances: RQ - Air: 10; RQ - Land: 10  
Pennsylvania Hazardous Substance Codes: E

**SECTION 16 - OTHER INFORMATION**

Revised: NA  
Created: August 31, 2010

---

**DISCLAIMER:** FloChem Ltd. makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity, and suitability of his own use, handling, and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied is made by FloChem Ltd, as to the effects of such use, the result to be obtained or the safety, toxicity, or environmental effect of this product, nor does FloChem Ltd. assume liability arising out of the use by others of this product referred to herein. The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.