

# Material Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Funky Coloured Flames  
**Company Name:** 2075560 Ontario Ltd.  
BG Distribution & Marketing  
160 Tycos Drive Unit 8, Mail box #111  
Toronto, Ontario  
M6B 1W8

## EMERGENCY TELEPHONE NUMBER

(416) 792-0385, **ONLY** for health and environmental information.

## 2. HAZARDOUS INGREDIENTS

Hazardous Ingredients	% (w/w)	ACGIH TLV	CAS No.
Copper Sulfate	10 to 15	1.0 mg/m <sup>3</sup>	7758-99-8

**Synonyms:** Copper Sulfate: Bluestone, Cupric Sulfate

**Product Use:** Fireplace colourant

## 3. HAZARDS IDENTIFICATION

**Summary:** Hazardous properties of all ingredients have been considered in the preparation of this MSDS. Read the entire MSDS for the complete hazard evaluation of this product.

**Emergency Overview:** Severe irritant to the eyes. May cause skin and respiratory system irritation.

## 4. FIRST AID MEASURES

Treat symptomatically; this product is sold in small quantities and as such is unlikely to provoke an incident requiring first aid.

**Inhalation:** If required move victim to fresh air. Give artificial respiration **ONLY** if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing **AND** no pulse. Obtain medical advice **IMMEDIATELY**.

**Skin Contact:** Flush skin with running water and wash affected areas thoroughly with soap and water. Start flushing while removing contaminated clothing. Should symptoms persist obtain medical attention.

**Eye Contact:** Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Should symptoms persist obtain medical attention.

**Ingestion:** If victim is alert and not convulsing, rinse mouth out and give 200-300 ml (1 cup) of water to dilute material. **DO NOT** induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Obtain medical attention **IMMEDIATELY**.

## 5. FIRE AND EXPLOSION HAZARD DATA

**Flash Point (°C):** Not applicable.

**Flammable Limits (Lower):** Not applicable.

**Flammable Limits (Upper):** Not applicable.

**Auto Ignition Temperature (°C):** Not Determined. Copper Sulfate when heated above 400 °C may decompose and emit toxic fumes of oxide and sulfur.

**Extinguishing Media:** Ingredients are non-flammable. For large fires apply aqueous film forming foam or water in the form of a fog. For small fires use Carbon Dioxide or dry chemical.

**Fire Fighting Procedures:** Wear self-contained breathing apparatus and impervious clothing. Minimize the amount of water used and contain the run-off from entering water supplies or the environment by dyking.

**Other Fire & Explosion Hazards:** Thermal decomposition may produce noxious fumes of Sulfur Oxides.

## 6. ACCIDENTAL RELEASE MEASURES

**Spills, Leaks, or Releases:** Wear Personal Protective Equipment. For release to land, stop any further release and spread of contamination, wash hard surfaces with detergent and water and absorb with suitable absorbent. For release to water, stop any further release and utilize damming and/or water diversion to minimize the spread of contamination. Collect the spilled material, any contaminated soil, water and absorbent, then place in a waste container for proper disposal. Notify applicable government authority if release is reportable or could adversely affect the environment.

**Deactivating Chemicals:** None known.

## 7. HANDLING AND STORAGE INFORMATION

**Handling Procedures:** Work only in well ventilated area and avoid breathing dusts, contact with eyes and skin. Wear appropriate protective equipment. Wash thoroughly with soap and water after handling. If clothing becomes contaminated, wash thoroughly before re-use.

**Storage Requirements:** Store in a cool, dry, well-ventilated area away from food or feed, heat sources and incompatible materials. Keep containers tightly closed when not in use.

**Storage Temperature:** Avoid storage conditions above 40 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye Protection:** Safety glasses or chemical safety goggles.

**Skin Protection:** Chemical resistant gloves and protective clothing that is impervious under conditions of use.

**Respiratory Protection:** A NIOSH/MSHA approved air-purifying respirator where dust conditions exist and exceed the stated TLV's.

**Other Personal Protective Equipment:** If eye or skin contact can occur, an eye wash fountain and washing facilities should be readily available.

**Engineering Controls:** Provide local exhaust and adequate ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid.

**Appearance:** Off-white and blue crystals.

**Odour:** No odour

**pH:** Not determined

**% Volatile by Volume:** Negligible.

**Vapour Pressure (mm Hg at 20°C):** Not available.

**Vapour Density (Air=1):** Not available.

**Boiling Point (°C):** Not available

**Melting/Freezing Point (°C):** Not applicable.

**Solubility (Water):** Not applicable

**Solubility (Other):** Soluble

**Specific Gravity:** Not applicable.

**Evaporation Rate:** Not applicable.

**Bulk Density:** Not determined

## 10. STABILITY AND REACTIVITY DATA

**Chemical Stability:** Stable under normal conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None known

**Incompatibility with other Substances:** Strong oxidizers, Bromine Trifluoride, Potassium Permanganate, Sulfuric Acid, Aluminum powder, Acetylene gas and Magnesium.

**Hazardous Decomposition Product(s):** Thermal decomposition may produce Chlorine, Hydrogen Chloride gas, Sulfur Oxides and Sodium Oxides.

## 11. TOXICOLOGICAL INFORMATION

**Summary:** Severe irritant to the eyes. May cause skin and respiratory system irritation.

### Toxicological Data

#### Calculated for this product

Oral LD<sub>50</sub> (rat) = 2100.1 mg/kg

Dermal LD<sub>50</sub> (rabbit) = 3980.5 mg/kg

Inhalation LC<sub>50</sub> (rat) = 24.5 mg/L

**Inhalation:** May cause irritation to the nose, throat and respiratory tract. On occasion may cause ulceration with perforation of the nasal septum.

**Skin Contact:** May cause skin irritation. May cause irritation or burning on wet or damp skin.

**Eye Contact:** May cause severe irritation, reversible eye damage, redness and abrasive damage.

**Ingestion:** May cause irritation to the digestive tract, abdominal pain, tremors, faintness, paralysis of limbs, slow or irregular heartbeat, nausea, vomiting, dizziness and diarrhea.

**Chronic Effects:** Prolong or repeated exposure to skin can cause drying and dermatitis.

**Carcinogenicity:** None known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:** Highly toxic to fish and wildlife.

**Environmental Effects:** Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

**Persistence and Degradation:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable Local, Provincial and Federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.

## 14. TRANSPORT INFORMATION

**TDG Classification:** Not Regulated

**WHMIS Classification:** D2B

## 15. OTHER INFORMATION

The information contained herein is offered only as a guide to the industrial handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and BG Distribution & Marketing will not be liable for any damages, losses, injuries or consequential damages that may result from the use of or reliance on any information contained herein. This Material Safety Data Sheet is valid for three years.

**Prepared By:** Biedermann Packaging Inc.

**Date Issued:** November 17, 2005

**Revised:** May 17, 2006