

## MATERIAL SAFETY DATA SHEET

### MOSQUITO SHIELD INCORPORATED

EFFECTIVE DATE: AUGUST 31, 2009

#### 1. MATERIAL IDENTIFICATION AND USE

MANUFACTURER'S NAME	MOSQUITO SHIELD INC
MANUFACTURER'S ADDRESS	450 TAPSCOTT ROAD, UNIT 5&6A SCARBOROUGH, ONTARIO M1B 1Y4
MANUFACTURER'S PHONE NO.	(800) 267-0455
SUPPLIER IDENTIFIER	AS MANUFACTURER
SUPPLIER'S ADDRESS	AS MANUFACTURER
SUPPLIER'S PHONE NO.	AS MANUFACTURER
PRODUCT IDENTIFIER	<b>MOSQUITO COIL</b>
PRODUCT CODE	<b>MS0402</b>
PRODUCT USE	MOSQUITO REPELLANT, INSECTICIDE

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CONTENT%	CAS NO.	RISK PHRASES
Charcoal powder	60	7440-44-0	F; R11
Wood powder	30		
Corn starch	5-10	9005-25-8	
D-trans allethrin/ related compounds	0.25	28434-00-6	Xn; R20/22 N ; R50/53

The preparation is not classified as danger according to Directive 1999/34/EC and its amendments.

The preparation is not classified as dangerous under the Hazard Communication Standard. This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

### 3. HAZARDS IDENTIFICATION

**Primary Route(s) of Exposure:** Eye contact, skin contact, inhalation and ingestion.

**Potential Health Effects**

**Acute (short term):** Irritating to eyes and skin. Inhalation of a mist of this material may cause respiratory tract irritation. May be harmful if swallowed.

**Chronic(long term):** No information found.

**Physical/Chemical Hazards:** There is no known physical/chemical hazard to this product.

**Potential Environmental Effects:** Environment hazard: this insecticide is highly toxic to fish. Do not apply directly to water.

### 4. FIRST AID MEASURES

**Skin contact:** Wash affected area with soap and water. If symptoms develop seek medical attention.

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Inhalation:** Remove from contaminated area. If symptoms develop and persist seek medical attention.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

Note to physicians: Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Flammable Properties

**Flash Point:** Not available

**Explosion limits:**

Lower: Not available

Upper: Not available

**Extinguishing Media:** use agent most appropriate to extinguish surrounding fire.

**Fire & Explosion Hazards:** There is no fire or explosion hazard of this product.

**Fire Fighting Equipment:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Mop up material and place into the same container.

## 7. HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes.

Keep container tightly closed. Avoid ingestion. Wash clothing before reuse.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. No special precautions indicated.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering controls:** Provide sufficient ventilation to keep airborne levels below the exposure limit.

**Respiratory protection:** For most situations, no respiratory protection should be needed; however, in any fire, use an approved respirator.

**Skin protection:** For most situations, no skin protection should be needed.

**Eye protection:** Wear appropriate protective glasses or chemical safety goggles.

**General hygiene considerations:**

Wash hands after use and before eating, avoid breathing dust and wear safety glasses.

Ingredients Name	OEL Europe	OEL Asia	United States OSHA
Corn Starch	United Kingdom WEL – TWA: 10 mg/m <sup>3</sup> TWA (total inhalable); 4 mg/m <sup>3</sup> TWA (respirable) United Kingdom, WEL-STEL: 30mg/m <sup>3</sup> STEL (total inhalable); 4 mg/m <sup>3</sup> STEL (respirable) Belgium –TWA: 10 mg/m <sup>3</sup> VLE Spain: 10 mg/m <sup>3</sup> VLA-ED	Malaysia 10mg/m <sup>3</sup> TWA	15mg/m <sup>3</sup> TWA (total dust); 5mg/m <sup>3</sup> TWA (respirable fraction)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid
Colour:	Black
Odour:	Aroma Smell
Vapour Pressure:	N/A
PH:	7-8.5
Density (water=1)	N/A
Ignition temperature	N/A
Explosion Limits	Lower: N/A Upper: N/A
Boiling Point	N/A

Freezing Point	N/A
Flash Point	N/A
Melting Point	N/A
Solubility in Water	N/A
Viscosity	N/A

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and handling.

**Materials to avoid:** Strong oxidizing agents, strong acids and strong alkalis.

**Conditions to avoid:** High temperature.

**Hazardous decomposition products:** Oxides of carbon

**Hazardous polymerization:** Will not occur.

## 11. REACTIVITY RATING

HMIS RATING SCALE:

0= MINIMAL  
1= SLIGHT  
2= MODERATE  
3= SERIOUS  
4= SEVERE  
N= NO INFORMATION PROVIDED BY MANUFACTURER

## 12. TOXICOLOGICAL INFORMATION

**Acute toxicity data:** no toxicity data available for this product.

**Other information:** substances classified as carcinogenic, mutagenic or toxic to reproduction, categories 1 or 2 are not detected.

## 13. ECOLOGICAL INFORMATION

**Ecotoxicity:** No ecotoxicity data available

**Mobility:** Not determined.

**Biodegradability:** Not determined.

**Bioaccumulation:** Not determined.

#### 14. DISPOSAL CONSIDERATIONS

Dispose of waste according to relative regulations.

#### 15. TRANSPORT INFORMATION

**The preparation is not classified as dangerous**

Proper shipping name: N/A  
Hazard class: Not regulated  
Packing group: N/A  
Identification number: N/A

#### 16. REGULATORY INFORMATION

**Inventory Status**

Inventory	Status
Canada	One or more ingredients are on DSL
United States	One or more ingredients are on TSCA
Japan	One or more ingredients are on MITI
South Korea	One or more ingredients are on KECL

#### 17. OTHER INFORMATION

Risk phrases in section 2:

R11 Highly flammable  
R20/22 Harmful by inhalation and if swallowed.  
R50/53 Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

#### 18. PREPARATION DATE OF MATERIAL SAFETY DATE SHEET

PREPARED BY MOSQUITO SHIELD INC  
TELEPHONE NUMBER OF PREPARER (800) 267-0455  
DATE PREPARED: **AUGUST 31, 2009**

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