

# MATERIAL SAFETY DATA SHEET

Rev. JAN. 2007

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CORN COB GRIT & PELLETS**

Chemical Family: Corn Cob (Organic)

**Composition Materials Co., Inc. - 125 Old Gate Lane - Milford, CT 06460**

**Phone - 203-874-6500 Fax - 203-874-6505**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

100% Ground Corn Cob - an agricultural product exempt from the EPA inventory.

Material present in PPN: Cobalt - 0.0001%; Copper 0.0007%; Zinc - 0.0004%

## 3. HAZARDS IDENTIFICATION

Material is an off white color with no odor, either granular or pelletized. Avoid creating airborne dust. Avoid ignition sources. Provide ventilation. Avoid breathing dust. Spilled material can be slippery and cause falls if walked on.

### Potential Health Effects

**EYE:** Solid or dusts may cause irritation or scratch the surface of the eye.

**SKIN:** N/A

**INGESTION:** Non-toxic - used as animal feed.

**INHALATION** (Nuisance Dust): Use TLV of 10 mg/m<sup>3</sup> total dust. May cause coughing, sneezing or watering eyes and may aggravate respiratory conditions.

**Chronic Health Effects:** None known.

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#### **4. FIRST AID MEASURES**

**EYES:** Flush with water.

**SKIN:** Wash thoroughly with soap and water.

**INGESTION:** Non-toxic.

**INHALATION:** Remove to fresh air. Call physician if irritation persists.

#### **5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

**FLASH POINT:** 350°F OC / 388°F CC

**FLAMMABLE LIMITS:** VEL - Not Applicable LEL - 0.045 oz. 207 dust

**HAZARDOUS COMBUSTION PRODUCTS:** None

**EXTINGUISHING MEDIA:** Water, CO<sub>2</sub>, Dry Chemical

**Unusual Fire and Explosion Hazards:** A combustible material similar to sawdust. Minimum explosive concentration (-200 mesh cob grit dust cloud) - 0.045 oz/cu.ft.

#### **6. ACCIDENTAL RELEASE MEASURES**

Sweep up, vacuum or shovel - follow normal clean-up procedure. Spilled material can be a slipping hazard. Eliminate flames, sparks, excessive temperatures.

#### **7. HANDLING AND STORAGE**

**HANDLING:** Avoid contact with eyes. Use in a well-ventilated area.

**STORAGE:** Store in closed, properly labeled containers in a cool, ventilated area. Keep dry and handle as a combustible.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Local exhaust - nuisance dust levels.

**RESPIRATORY PROTECTION:** NIOSH approved dust mask if above nuisance dust TLV.

**SKIN PROTECTION:** N/A

**EYE PROTECTION:** Not required - Goggles recommended.

**OTHER PROTECTIVE EQUIPMENT:** None necessary.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT:** N/A

**MELTING POINT:** N/A

**VAPOR PRESSURE:** (MM Hg) Near 0.0 at 20°C

**VAPOR DENSITY:** N/A

**SOLUBILITY IN WATER:** 7.4% - 9.5%

**EVAPORATION RATE:** N/A

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.8 - 1.2

**pH:** 4.5 when slurried in H<sub>2</sub>O

**ODOR:** No Odor

**APPEARANCE:** Off white granules or pellets

## **10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY(CONDITIONS TO AVOID):**Excessive heat, ignition sources.

**INCOMPATIBILITY:** Strong acids, oxidizing agents and caustics.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None. Combustion products may be Carbon Monoxide, Nitrous Oxides typical of wood smoke.

**HAZARDOUS POLYMERIZATION:** Will not Occur.

**STABILITY:** Stable

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## **11. TOXICOLOGICAL INFORMATION**

Toxic Substance Control Act (TSCA): Corn Cob is an organic product and not subject to TSCA requirements.

## **12. ECOLOGICAL INFORMATION**

Non-hazardous. Always comply with Federal, State and Local environmental regulations.

## **13. DISPOSAL CONSIDERATIONS**

Non-hazardous. Can be disposed of in a solid landfill, used as a mulch or incinerated. Follow Federal, State and Local regulations.

## **14. TRANSPORT INFORMATION**

DOT: Not Regulated.            **NMF CLASSIFICATION:** Class 55 - Item 53910

## **15. REGULATORY INFORMATION**

N/A

## **16. OTHER INFORMATION**

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