

## MATERIAL SAFETY DATA SHEET

**Product:** Smartcote® Shrub & Evergreen 20-7-10 Controlled Release Fertilizer

### SECTION 1 - PRODUCT INFORMATION

**P.C.P. Act Registration No.:** NA  
**Chemical Family:** Granular Fertilizer  
**Product Use:** Controlled Release Fertilizer for Plants  
**TDG Classification:** Not Regulated  
**WHMIS Classification:** Not Controlled

**Product Code:** 6681420  
6681440

### SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD 50 (mg/Kg)	T.W.A. – T.L.V
None				

### SECTION 3 - PHYSICAL DATA

**Physical State:** Solid  
**Specific Gravity:** Not Applicable  
**Boiling Point:** Not Applicable  
**Vapour Pressure:** Not Applicable  
**% Volatiles:** Not Applicable  
**Solubility in Water:** Soluble

**Appearance\Odour:** Multicolour granules / Slight metallic odour  
**pH:** Not Determined  
**Freezing/Melting Point:** Not Applicable  
**Vapour Density:** Not Applicable  
**Evaporation Rate:** Not Applicable

### SECTION 4 - FIRE AND EXPLOSION

**Flash Point:** Not Applicable  
**Lower Explosion Limit %:** Not Applicable  
**Fire Extinguishing Media:** Foam, Dry Chemical, Carbon Dioxide, Water Fog  
**Fire Fighting Procedures:** Wear self-contained Breathing Apparatus and impervious clothing. Minimize the amount of water used and contain the run-off. The product will decompose on heating.  
**Other Fire or Explosion Hazards:** Noxious fumes, hydrogen chloride and chloride containing compounds, oxides of nitrogen and other hazardous materials may be formed in a fire situation.

**Autoignition Temperature:** Not Applicable  
**Upper Explosion Limit %:** Not Applicable

### SECTION 5 - REACTIVITY DATA

**Stability:** Stable  
**Conditions to Avoid:** Moist, wet conditions or fire.  
**Incompatibility (Materials to Avoid):** Strong oxidizing agents, Strong Acids. Prolonged contact may cause oxidation of unprotected metals.  
**Hazardous Decomposition Products:** Thermal decomposition at elevated temperatures to release toxic and combustible gases: ammonia, sulphur oxides, and nitrogen oxides

**Hazardous Polymerization:** Will Not Occur

## SECTION 6 – TOXICOLOGICAL PROPERTIES

### **Routes of Entry:**

**Inhalation:** Repeated or prolonged inhalation of dust may lead to respiratory irritation.

**Ingestion:** Excessive ingestion must occur before any health hazard results. Effects of overexposure may include nausea, vomiting, diarrhea, weakness or convulsions.

**Skin Contact:** May cause moderate aggravation.

**Skin Absorption:** Not normally absorbed through the skin.

**Eye Contact:** May cause moderate aggravation. Abrasive action of dust particulate can damage eye.

**Irritancy of Product:** Skin – rash; eyes – irritation; respiratory – coughing.

### **Effects of Acute or Chronic Exposure:**

**Sensitization to Product:** No evidence.

**Teratogenicity:** Not Known

**Synergistic Products:** ND

**Carcinogenicity:** Not Known

**Mutagenicity:** Not Known

**Reproductive Effects:** Not Known

## SECTION 7 - FIRST AID PROCEDURES

**Skin Contact:** Wash with soap and Water. Seek medical attention if condition persists.

**Eye Contact:** May cause eye irritation due to mechanical action. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain medical attention if irritation persists.

**Inhalation:** Repeated or prolonged inhalation of dust may lead to respiratory irritation. Allow the affected individual to rest in a well ventilated area. Watch for airway obstruction. If breathing is laboured, give oxygen if available. Seek medical attention if not feeling well.

**Ingestion:** If swallowed seek medical attention immediately. If victim is drowsy or unconscious and vomiting, place on left side with the head down and do not give anything by mouth. If possible, do not leave victim unattended and observe closely for adequacy of breathing.

## SECTION 8 - PREVENTIVE MEASURES

**Respiratory Protection:** NIOSH/MSHA approved respirator, if required.

**Eye Protection:** Wear safety glasses to avoid eye contact. Do not wear contact lenses

**Skin Protection:** Wear impermeable gloves to avoid skin contact.

**Other Personal Protective Equipment:** None required.

**Engineering Controls:** Ventilated to control dust

**Storage Requirements:** Store in cool, dry area.

**Storage Temperature:** Min: 5 °C      Max: 40 °C

## SECTION 9 - ENVIRONMENTAL PROTECTION DATA

**Spill and Leak Procedures:** Stop leak, contain spill and transfer into waste container for disposal. Clean area with broom.

**Waste Disposal:** Dispose of empty container in household garbage. Dispose of spilt product as a Fertilizer, in accordance with Local, Provincial or Federal government regulations.

**Environmental Effects:** Do not contaminate local water supplies or environments.

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**Prepared by:** Technical Department

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