

## MATERIAL SAFETY DATA SHEET

**PRODUCT:** Holland Bulb Booster 9-9-6

### SECTION 1 - PRODUCT INFORMATION

**P.C.P. Act Registration No.:** Not Applicable

**Code:** 8100050

**Chemical Name:**

**Synonyms:**

**Chemical Family:**

**Product Use:** Domestic Fertilizer

**TDG Classification:** Not Regulated

### SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
None				

### SECTION 3 - PHYSICAL DATA

**Physical State:** Solid

**Specific Gravity:** Not Applicable

**Boiling Point:** No Data

**Vapour Pressure:** No Data

**% Volatiles:** Not Applicable

**Solubility in Water:**

**Appearance\Odour:** Small round beads

**pH:** No Data

**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, Carbon Dioxide, Dry Chemical, Water Fog

**Fire Fighting Procedures:** Wear self-contained Breathing Apparatus and impervious clothing. Minimize the amount of water used and contain the run-off.

**Other Fire or Explosion Hazards:** Vapours may travel to ignition source and flash back.

**Autoignition Temperature:** Not Applicable

**Upper Explosion Limit %:** Not Applicable

### SECTION 5 - REACTIVITY DATA

**Stability:** Stable

**Hazardous Polymerization:** Will Not Occur

**Conditions to Avoid:** Elevated temperatures will decompose at 100 °C and above.

**Incompatibility (Materials to Avoid):** Strong acid, bases and oxidizers.

**Hazardous Decomposition Products:** Thermal decomposition may product dimethylsulfide, sulphur dioxide, carbon oxides, phosphorpentoxide, fumes of chlorides and nitrogen oxides.

### SECTION 6 - HEALTH HAZARD DATA

**Acute Effects of Overexposure:** May cause temporary irritation to eyes, nose, throat, and respiratory tract. May cause headache, nausea, vomiting, abdominal cramps, weakness, blurred vision, pin-point pupils, tightness in chest, muscle spasms and coma.

**Effects of Chronic Exposure:** Prolonged exposure may cause dermatitis.

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**Other Health Effects:** Malathion is a cholinesterase inhibitor. NOTE TO PHYSICIAN: The antidote is atropine. Large doses at 2 to 4 mg intravenously or intramuscularly as soon cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear.

### SECTION 7 - FIRST AID PROCEDURES

**Inhalation:** Move victim to fresh air and restore breathing if required. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

**Skin Contact:** Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek medical attention.

**Ingestion:** Give 1 to 2 glasses (200 to 500 ml) of water to dilute material. Do Not Induce Vomiting. OBTAIN MEDICAL ADVICE.

**Eye Contact:** Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

### SECTION 8 - PREVENTIVE MEASURES

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

**Eye Protection:** Safety glasses.

**Skin Protection:** Chemical resistant gloves

**Other Personal Protective Equipment:** Coveralls.

**Engineering Controls:** Local exhaust or ventilation.

**Handling Procedures and Equipment:** Avoid breathing vapours, contact with eyes, skin and clothing. Wash thoroughly after use.

**Storage Requirements:** Store in cool, dry, ventilated area. Keep out of reach of children and pets.

**Storage Temperature:** Min: 0 °C Max: 40 °C

### SECTION 9 - ENVIRONMENTAL PROTECTION DATA

**Spill and Leak Procedures:** Stop leak, contain spill by diking and absorb with suitable absorbent and transfer into waste container for disposal. Clean area with detergent and water, absorb wash and place in waste container. Remove any contaminated soil for proper disposal.

**Waste Disposal:** Dispose of empty container in household garbage. Dispose of waste product 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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