



## MATERIAL SAFETY DATA SHEET

PRODUCT: NGC Nu-Spec Micro Sulphate of Potash (00-00-50)

CODE: 5141331

### SECTION 1 - PRODUCT INFORMATION

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

**Synonyms:** SOP, Dipotassium Salt

**Chemical Family:** Inorganic Salt

**Product Use:** Crop Nutrient

**TDG Classification:** Not Regulated

### SECTION 2 – HAZARDOUS INGREDIENTS

INGREDIENTS	WEIGHT %	CAS REG #	LD 50 (mg/Kg)	T.W.A. – T.L.V.
No Hazardous Ingredients				

### SECTION 3 - PHYSICAL DATA

**Physical State:** Solid

**Specific Gravity:** ~ 2.66

**Boiling Point:** Not Available

**% Volatiles:** Not Available

**Solubility in Water:** Soluble

**Appearance\Odour:** Granular fertilizer

**pH:** 7-9 in a 5% solution

**Freezing/Melting Point:** 1066.7°C

**Vapour Density:** Not Available

**Evaporation Rate:** Not Available

### SECTION 4 - FIRE AND EXPLOSION

**Flash Point:** Not Applicable

**Lower Explosion Limit %:** Not Available

**Fire Extinguishing Media:** Foam, Carbon Dioxide, Chemical and 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 products may decomposes on heating

**Other Fire or Explosion Hazards:** Toxic gases may be released during a fire situation.

**Autoignition Temperature:** Not Available

**Upper Explosion Limit %:** Not Available

### SECTION 5 - REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** None known.

**Incompatibility (Materials to Avoid):** Reacts with most noble metals, building materials, bromine, or trifluoride. Explosive reaction may occur if NaCl is mixed with dichloromaleic anhydride and urea. Electrolysis of mixtures containing NaCl and nitrogen compounds may form explosive nitrogen trichloride..

**Hazardous Decomposition Products:** Combustion can yield oxides of sulphur when heated above 1066 °C.

**Hazardous Polymerization:** Will Not Occur

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## SECTION 6 - HEALTH HAZARD DATA

**Acute Effects of Overexposure:** Effects of over exposure may include irritation of the nose, throat and digestive tract, nausea, vomiting, diarrhea, abdominal cramping, irregular heartbeats, dehydration and hypertension.

**Effects of Chronic Exposure:** Repeated over exposure to dust may result in irritation of the respiratory tract, coughing and shortness of breath.

## SECTION 7 - FIRST AID PROCEDURES

**Inhalation:** Move away from dusty environments and to fresh air. OBTAIN MEDICAL ADVICE if symptoms persist.

**Skin Contact:** Flush skin and hair thoroughly with soap and water. If irritation occurs seek medical attention.

**Ingestion:** Rinse mouth with water and drink 1 to 2 glasses of water (200 to 500 ml) to dilute material. Induce vomiting for ingestion of large amounts (more than 5 ounces or a little more than ½ cup in an adult). Induce vomiting by using finger or blunt object down the back of the throat. Syrup of IPECAC can also be used to induce vomiting. Have victim lean forward with head down to avoid breathing in of vomitus. Vomiting should only be induced under the direction of a physician or Poison control information centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing of vomitus, rinse mouth and administer more water. OBTAIN MEDICAL ADVICE. Do not induce vomiting or give anything by mouth to an unconscious person.

**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:** Not normally required if good ventilation is maintained.

**Eye Protection:** Chemical goggles or glasses

**Skin Protection:** Chemical resistant gloves to avoid the drying of the skin.

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

**Engineering Controls:** None required under normal use conditions.

**Storage Requirements:** Store in cool, dry area away from children.

**Storage Temperature:** Min: None 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. Prevent large spills from entering sewers or waterways.

**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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