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**PRODUCT INFORMATION**

<b>Product Identifier</b>	<b>ACERnt 23-4-9 SPRING FIELD NURSERY</b>
<b>Manufacturer's Name</b>	MASTER PLANT-PROD INC.
<b>Address</b>	314 ORENDA ROAD BRAMPTON, ONTARIO L6T 1G1 CANADA
<b>Emergency Phone Number</b>	1-613-996-6666
<b>Product Use</b>	FERTILIZER FOR PLANTS

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**HAZARDOUS INGREDIENTS**

<b>Hazardous Ingredients</b>	<b>C.A.S. / N.A. / UN No.</b>	<b>%</b>	<b>LD<sub>50</sub></b>
POTASSIUM NITRATE	CAS 7757-79-1	9-10	3750 mg/kg (ORAL, RAT) 1900 mg/kg (ORAL, RAB)
AMMONIUM NITRATE	CAS 6484-52-2	7-8	4820 mg/kg (ORAL, RAT)

**WHMIS CLASSIFICATION:** NOT REGULATED

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**PHYSICAL DATA**

<b>Physical State:</b> SOLID	<b>Odor and Appearance:</b> SLIGHT METALLIC ODOUR, MULTI-COLOURED GRANULES
<b>Odor Threshold:</b> NA	<b>Specific Gravity:</b> NA
<b>Vapor Pressure:</b> ND	<b>Vapor Density:</b> ND
<b>Evaporation Rate:</b> ND	<b>Boiling Point:</b> NA
<b>Freezing Point:</b> NA	<b>Specific Gravity:</b> HEAVIER THAN WATER
<b>pH:</b> ND	<b>Density:</b> ND

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**FIRE AND EXPLOSION HAZARD**

**Flammability:** NON FLAMMABLE (NOTE: IN CASE OF FIRE, WATER SHOULD BE IMPOUNDED TO AVOID WASHING INTO WATERWAYS.)

**Means of Extinction:**

WATER SPRAY, DRY CHEMICAL, CO<sub>2</sub>, SAND OR FINE EARTH. THIS MATERIAL IS AN OXIDIZER AND THEREFORE INCREASES THE INTENSITY OF ANY FIRE.

**Special Fire Fighting Procedures:**

WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. SHORT TERM EXPOSURE TO SMOKE, FUMES, AND GASES CAN LEAD TO IRREVERSIBLE LUNG INJURY WITHOUT EARLY SIGNS AND SYMPTOMS. USE EXTINGUISHING MEDIA SUITABLE FOR THE SURROUNDING FIRE.

**Flashpoint:** NA                      **UEL:** NA                      **LEL:** NA

**Auto-ignition Temperature:** ND                      **TDG Flammability Class:**  
NON FLAMMABLE

**Hazardous Combustion Products:** THERMAL DECOMPOSITION AT ELEVATED TEMPERATURES TO RELEASE TOXIC AND COMBUSTIBLE GASES: AMMONIA, SULPHUR OXIDES, AND NITROGEN OXIDES

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**REACTIVITY DATA**

**Chemical Stability:** STABLE IN NORMAL USE AND STORAGE

**Incompatibility:** STRONG OXIDIZING AGENTS. CONTACT WITH OTHER STRONG ACIDS MAY PRODUCE IRRITATING HYDROGEN CHLORIDE GAS. NACL REACTS WITH MOST NOBLE METALS, SUCH AS IRON OR STEEL, BUILDING MATERIALS (SUCH AS CEMENT), BROMINE, OR TRIFLORIDE. A POTENTIALLY EXPLOSIVE REACTION MAY OCCUR IF NACL IS MIXED WITH DICHLORMALEIC ANHYDRIDE AND UREA. ELECTROLYSIS OF MIXTURES CONTAINING NACL AND NITROGEN COMPOUNDS MAY FORM EXPLOSIVE NITROGEN TRICHLORIDE

**Conditions of Reactivity:** MOIST, WET CONDITIONS, HEAT, FIRE

**Hazardous Decomposition Products:** THERMAL DEGRADATION MAY PRODUCE OXYGEN, NITROGEN OXIDES, HYDROGEN CYANIDE AND CARBON DIOXIDE.

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**TOXICOLOGICAL PROPERTIES****Route of Entry:****Effects of Acute or Chronic Exposure:**

**SKIN CONTACT** – MAY CAUSE MODERATE AGGRAVATION.

**SKIN ABSORPTION** - MAY CAUSE MODERATE AGGRAVATION.

**EYE CONTACT** – DUST FROM THIS PRODUCT MAY CAUSE PARTICULATE DISCOMFORT TO EYES. ABRASIVE ACTION OF DUST PARTICULATE CAN DAMAGE EYE.

**INHALATION** – OVEREXPOSURE BY INHALATION OF AIRBORNE PARTICULATE, DUST, OR FUMES IS IRRITATING TO THE NOSE, THROAT, AND RESPIRATORY TRACT. INHALATION OF EXCESSIVE LEVELS OF DUST OR FUMES MAY BE HARMFUL.

**INGESTION** –INGESTION OF LARGE QUANTITIES MAY CAUSE GASTROINTESTINAL DISCOMFORT, VOMITING, HEADACHE, NAUSEA, WEAKNESS OR OTHER MEDICALLY RELATED PROBLEMS. LARGE QUANTITIES MAY CAUSE NITRATE POISONING.

**Exposure Limits:**

DUST EXPOSURE UP TO 10 mg/M3

**Synergistic Products:**

ND

**Sensitization / Irritancy:**

NON-IRRITATING.

**Carcinogenicity / Teratogenicity /Mutagenicity / Reproductive Effects:**

NONE KNOWN

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**PREVENTIVE MEASURES:****Personal Protective Equipment:**

**RESPIRATORY** – AN APPROVED RESPIRATOR SHOULD BE USED IF DUST EXPOSURE EXCEEDS LEVEL OF 10 MG/M<sup>3</sup>.

**EYES** - USE OF SAFETY GLASSES WITH SIDE SHIELDS IS RECOMMENDED.

**GLOVES** - GLOVES SHOULD BE WORN BY THOSE WITH UNUSUALLY SENSITIVE SKIN.

**SKIN** – WEAR LONG SLEEVED CLOTHING AND PROTECTIVE GLOVES TO AVOID CONTACT.

**Engineering Controls:**

PROVIDE LOCAL OR GENERAL VENTILATION TO KEEP DUST BELOW ACIH NUISANCE DUST LIMIT OF 10 MG/M<sup>3</sup>. APPLICATORS SHOULD STAND UPWIND.

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**PREVENTIVE MEASURES (continued)****Leak or Spill Procedure:**

IF MATERIAL IS UNCONTAMINATED, COLLECT AND REUSE AS RECOMMENDED FOR PRODUCT. AVOID DUSTS, OR USE APPROVED RESPIRATOR. KEEP FROM ENTERING WATERWAYS.

**Disposal:**

DISPOSE OF IN NON-CROP AREAS AWAY FROM WATERWAYS, IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL REGULATIONS.

**Handling Procedures and Equipment:**

MINIMIZE DUST GENERATION AND ACCUMULATION. AVOID BREATHING DUST. AVOID CONTACT WITH SKIN AND EYES.

**Storage Requirements:**

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE. PREVENT SPILLAGE AND SEPARATE FROM STRONG OXIDIZERS. STORE AWAY FROM COMBUSTIBLES. PROVIDE ADEQUATE VENTILATION.

**Shipping Information:**

NONE

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**FIRST AID MEASURES:**

**SKIN** – WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF CONDITION PERSISTS.

**EYES** - FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES KEEPING EYELIDS OPEN. SEEK MEDICAL ATTENTION IF CONDITION PERSISTS.

**INHALATION** - REMOVE TO FRESH AIR. IF FUMES ARE INHALED FROM HEATED FERTILIZER AND BREATHING HAS STOPPED, BEGIN ARTIFICIAL RESPIRATION. REPEATED OR PROLONGED INHALATION OF DUST MAY LEAD TO RESPIRATORY IRRITATION. IF BREATHING IS LABOURED GIVE OXYGEN. SEEK MEDICAL ATTENTION.

**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 E CLOSELY FOR ADEQUACY OF BREATHING

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**PREPARATION INFORMATION****Department:****Phone Number:****Date:**

TECHNICAL

(905) 793-8000

APRIL 2014

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**NA** - Not Applicable**ND** - Not Determined