PRODUCT INFORMATION

Product Identifier: PLANTEX 20-20-20 WATER SOLUBLE FERTILIZER

Manufacturer’s Name: PLANT PRODUCTS CO. LTD.
Address: 314 ORENDA ROAD
BRAMPTON, ONTARIO
L6T 1G1

Emergency Phone Number: 1-613-996-6666

Product Use: WATER SOLUBLE FERTILIZER FOR PLANTS

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>C.A.S. / N.A. / UN No.</th>
<th>%</th>
<th>LD₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTASSIUM NITRATE</td>
<td>CAS  7757-79-1</td>
<td>43</td>
<td>ND</td>
</tr>
</tbody>
</table>

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Odor and Appearance:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLID</td>
<td>FINE BLUE POWDER, SLIGHT AMMONIA ODOR</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>ND</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>ND</td>
</tr>
<tr>
<td>Freezing Point:</td>
<td>NA</td>
</tr>
<tr>
<td>pH:</td>
<td>(10% SOLUTION) 3.6</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>ND</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>NA</td>
</tr>
<tr>
<td>Density:</td>
<td>0.73 g/mL</td>
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</tbody>
</table>

FIRE AND EXPLOSION HAZARD

Flammability: NON-FLAMMABLE

Means of Extinction:
USE FLOODING QUANTITIES OF WATER. DO NOT USE WATER JET. WEAR SCBA AND FULL PROTECTIVE CLOTHING IF PRODUCT IS INVOLVED IN A FIRE.

Flashpoint: NA
UEL: NA
LEL: NA

Auto-ignition Temperature: ND

TDG Flammability Class: NON-FLAMMABLE

Hazardous Combustion Products:
AMMONIA, OXIDES OF NITROGEN, CYANURIC ACID, CO₂
REACTIVITY DATA

Chemical Stability: STABLE WHEN DRY
Incompatibility: STRONG ACIDS, STRONG ALKALIES, OXIDIZERS, ORGANICS
Conditions of Reactivity: MOIST, WET CONDITIONS OR WHEN HEATED
Hazardous Decomposition Products: AMMONIA, OXIDES OF NITROGEN, CYANURIC ACID, CO₂

TOXICOLOGICAL PROPERTIES

Route of Entry: Effects of Acute or Chronic Exposure:

SKIN CONTACT - IRRITATION COULD OCCUR WITH PROLONGED EXPOSURE TO DRY FERTILIZER OR FERTILIZER SOLUTION. CONTACT WITH HEATED MATERIAL MAY CAUSE THERMAL BURNS.

SKIN ABSORPTION - NOT KNOWN TO BE ABSORBED THROUGH THE SKIN.

EYE CONTACT - IRRITATION COULD OCCUR IF FERTILIZER SOLUTION IS SPLASHED IN EYES OR DRY PRODUCT CONTACTED. HEATED MATERIAL MAY CAUSE THERMAL BURNS.

INHALATION - VERY LOW VAPOR ACTIVITY. IF HEATED COULD RELEASE AMMONIA GAS. CAN CAUSE RESPIRATORY TRACT IRRITATION.

INGESTION - EXCESSIVE INGESTION MUST OCCUR BEFORE ANY HEALTH HAZARD RESULTS. EFFECTS OF OVEREXPOSURE MAY INCLUDE NAUSEA, VOMITING, DIARRHEA, WEAKNESS OR CONVULSIONS.

Exposure Limits: Synergistic Products:
ND ND

Sensitization / Irritancy: UREA CAN CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS.

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects: NONE KNOWN

PREVENTIVE MEASURES:

Personal Protective Equipment:
RESPIRATORY - DUST MASK IF CONDITIONS WARRANT.
EYES - WEAR SAFETY GLASSES TO AVOID EYE CONTACT. DO NOT WEAR CONTACT LENSES.
GLOVES - WEAR IMPERMEABLE GLOVES TO AVOID SKIN CONTACT.

Engineering Controls:
VENTILATE TO CONTROL DUST.

Leak or Spill Procedure:
CONTAIN THE SPILL. SWEEP UP SPILLED MATERIAL AND USE OR DISPOSE OF IN APPROVED MANNER. PREVENT ENTRY INTO WATERWAYS.
PREVENTIVE MEASURES (continued)

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

Handling Procedures and Equipment:
AVOID DIRECT AND PROLONGED CONTACT WITH SKIN.

Storage Requirements:
KEEP OUT OF REACH OF CHILDREN. STORE IN A DRY PLACE.

Shipping Information:

NOT REGULATED BY TDG

FIRST AID MEASURES:

SKIN - WASH WITH SOAP AND WATER. THERMAL BURNS REQUIRE IMMEDIATE MEDICAL ATTENTION. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER.

EYES - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. SEEK ATTENTION IF IRRITATION PERSISTS.

INHALATION - IF AMMONIA GAS IS INHALED FROM HEATED FERTILIZER AND BREATHING HAS STOPPED BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS LABOURED GIVE OXYGEN. SEEK MEDICAL ATTENTION.

INGESTION - FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.

ADDITIONAL INFORMATION:

PREPARATION INFORMATION

Department: TECHNICAL  Phone Number: (905) 793-8000  Date: SEPTEMBER 2010

NA - Not Applicable  ND - Not Determined