

## MATERIAL SAFETY DATA SHEET

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### **1. PRODUCT INFORMATION**

**Product Name:** Nutri-Pak 18-6-12 JRP International, Inc.

**Formula:** A Mixture of Ammonium Sulfate  $[(\text{NH}_4)_2\text{SO}_4]$ , Diammonium Phosphate  $[(\text{NH}_4)_2\text{HPO}_4]$ , Muriate of Potash  $[\text{KCl}]$  and Urea, packaged in a controlled-release packet.

**NOTE:** The guaranteed analysis of Nutri-Pak fertilizer is 18% total Nitrogen to 6% available Phosphoric Acid to 12% available Potash (**18-6-12**). Custom orders for varying ratios can be accommodated.

**Product Characteristics:** Plant food for potted/house plants: packaged for controlled release over a one-year period in ½ oz. packet and two to three years in a 2 oz. packet.

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### **2. Hazardous Ingredients**

<b><u>Material</u></b>	<b><u>%</u></b>	<b><u>TLV (mg/m3)</u></b>
N/A		

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### **3. PERSONAL PROTECTION INFORMATION**

Nutri-Pak is not to be opened and emptied into the soil as this will destroy the long-term effectiveness of the product and might injure roots through burning. Unopened Nutri-Paks may be handled without special precautions such as protective gloves or eyewear. Gloves, safety glasses and a dust mask are recommended when handling numerous opened packages.

### **4. HEALTH INFORMATION**

Emergency and First Aid Procedures: EYES – Flush thoroughly with water  
SKIN – Wash with water

## 5. PHYSICAL DATA

	<b>(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub></b>	<b>(NH<sub>4</sub>)<sub>2</sub>HPO<sub>4</sub></b>	<b>KCL</b>	<b>UREA</b>
Boiling point (Degrees Celsius)	N/A	N/A	N/A	N/A
Melting Point (Degrees Celsius)	N/A	N/A	772	N/A
Specific Gravity	65 lb/ft <sup>3</sup>	1.619	1.98	52"/ft <sup>3</sup>
Solubility	77g/100g	569g/liter	Soluble	43% 20°C

Appearance & Odor: Assorted pellets with no appreciable odor.

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## 5. FIRE, EXPLOSION & REACTIVITY DATA

Nutri-Paks, and the plant food contained within the packages, are stable products that present no unusual fire or explosion hazards.

Store Nutri-Paks in a dry area to avoid dissolving the plant food.

## 6. TRANSPORT INFORMATION

Diammonium phosphate is not listed as a hazardous material by the U.S. Department of Transportation (DOT), Transport Canada, the International Maritime Organization (MO), or the United Nations (UN).

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**NOTE:** The information, data and recommendations in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other materials or processes. The information, data and recommendations set forth herein are believed by JRP International Inc., to be accurate. JRP International, Inc., makes no warranties, either express or implied, with respect thereto and assumes no liability in connection with any use of such information, data and recommendations.