

Spectrum Group
 Div of United Industries Corp
 P.O. Box 142642
 St. Louis, MO 63114-0642

**Hazardous Material Identification
 System-(HMIS)**

HEALTH - 1

REACTIVITY - 0

FLAMMABILITY - 0

PERSONAL -

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

I Trade Name: Vigoro Fruit, Nut & Citrus Fertilizer Spikes															
Product Type: Fertilizer Spikes		Item Number: 52206													
EPA Registration Number	Manufacturer	Emergency Telephone No.													
N/A	Spectrum Group P.O. Box 142642 St. Louis, MO 63114	For Chemical Emergency: 1-800-633-2873 For Information: 1-800-561-1333 Prepared by: Charlie Duckworth Date Prepared: January 14, 2005													
II Hazardous Ingredients/Identity Information		III Physical and Chemical Characteristics													
<table border="1"> <thead> <tr> <th>Chemical</th> <th>%</th> <th>OSHA PEL</th> <th>ACGIH TLV</th> </tr> </thead> <tbody> <tr> <td>Inert</td> <td></td> <td></td> <td></td> </tr> <tr> <td>12-5-8 Fertilizer</td> <td>100</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table> <p>(Derived from: Ureaform. Ammonium sulfate, Ammonium phosphate, Muriate of potash, Calcium sulfate, Sodium borate, Copper Sulfate, Copper oxide, Ferrous sulfate, Ferric oxide, Manganese sulfate, Manganese oxide, Molybdic oxide, Sodium molybdate, Zinc Sulfate, Zinc oxide). Information regarding the contents and levels of metals in this product is available on the Internet at www.regulatory-info-sb.com</p>	Chemical	%	OSHA PEL	ACGIH TLV	Inert				12-5-8 Fertilizer	100	NA	NA	Appearance: Compressed Spike Boiling Point: NA Melting Point: NA Vapor Pressure: NA Bulk Density: 60#/cu ft Solubility in Water: NA Evaporation Rate: NA		
Chemical	%	OSHA PEL	ACGIH TLV												
Inert															
12-5-8 Fertilizer	100	NA	NA												
IV Fire and Explosion Hazard Data		V Reactivity Data													
Flash Point: N/A - Will not burn Flame Extension: N/A Flammable Limits: N/A Autoignition Temp.: N/A Fire Extinguishing Media: Use proper media to extinguish surrounding fire Decomposition Temp.: N/A Special Fire-Fighting Procedures: Use self-contained air supply. Ammonium is toxic to aquatic organisms. Keep runoff from reaching any body of water Unusual Fire and Explosion Hazards: Noxious fumes may form ammonia and oxides of nitrogen and carbon.		Stability: Stable Polymerization: Will not occur Conditions to Avoid: Fire conditions Incompatible Materials: Corrosive to metals. Hazardous Decomposition or Byproducts: Oxides of nitrogen, carbon and phosphorous are possible.													
VI Health Hazard Data		VII Precautions for Safe Handling and Use													
Summary of Risks: Possible nausea, vomiting, diarrhea – possible skin or eye irritation FIRST AID PROCEDURES Ingestion (Swallowing): Get medical attention. Inhalation: Remove to fresh air. Treat symptomatically. Skin Contact: Wash thoroughly. Eye Contact: Flush with water for 15 minutes holding eyelids open. Get medical attention. Special Notes: None Health Conditions Aggravated by Exposure: Excessive inhalation of dust may cause irritation and coughing. Inhalation of dust may also aggravate asthma in susceptible individuals. Prolonged skin contact may cause mild skin irritation. Ingredients listed by NTP, OSHA or IARC as Carcinogens or potential carcinogens: None		Steps to be Taken in Case Material is Released or Spilled: Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash after handling. Waste Disposal: Remove to approved landfill. Handling & Storage Precautions: Keep out of reach of children. Store in a cool, dry place.													
VIII Control Measures		IX Transportation Data													
Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.		DOT – Not Regulated by DOT (limited quantity exception) IMDG – Not Regulated by IMDG (limited quantity exception) IATA – Not Regulated by IATA (limited quantity exception)													

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