



The Family of Gain Fertilizers

Bougainvillea Growers International

19-SEP-2011 15:43:41

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CHEMTREC: 800-424-9300

Material Safety Data Sheet

Effective Date: 19-SEP-2011

Product: PALMGAIN 8-2-12 (BGI)

I. IDENTIFICATION

Chemical Name: Inorganic Metal Salts

Chemical Family: Inorganic Fertilizer

Formula: Not applicable, formulated mixture.

Synonyms: None

CAS Number: Not applicable, formulated mixture.

EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not applicable

Freezing Point: Not applicable

Spec Gravity: 0.70-0.80 gms/cc

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Solubility: Soluble

Volatiles: Not applicable

Evaporation: Not applicable

Melting Point: >130 Degrees C.

Appearance: Granular solid with no appreciable odor.

III. INGREDIENTS

Material CAS Number Percent TLV Hazard

Plant nutrients derived from 100.00 N/E Skin & eye

Ammonium Sulfate, Polymer irritant.

Sulfur Coated Urea, Sulfate

Potash, Sulfate Potash

Magnesia, Triple Super

Phosphate.

Micronutrients derived from

Ammonium Sulfate, Copper

Sulfate, Ferric Sodium DTPA

and EDTA, Iron Sulfate,

Manganese Sulfate, Polymer

Sulfur Coated Urea, Sodium

Borate, Sulfate Potash,

Sulfate Potash Magnesia,

Triple Super Phosphate, Zinc

Sulfate.

Guaranteed Analysis:

Total Nitrogen (N): 8.00%

Available Phosphate (P2O5): 2.00%
Soluble Potash (K2O): 12.00%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Non-combustible
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible solid. Use extinguishing media suitable for underlying cause of fire.
Special Fire Fight Proc: Use positive pressure self-contained breathing apparatus and full protective clothing.
Fire and Expl Hazard: Product may decompose at elevated temperatures to produce toxic fumes of ammonia and sulfur oxides.

V. HEALTH HAZARD

Carcinogen Information: Not listed by NTP, IARC or OSHA.
ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: If swallowed, irritation may develop in the digestive tract, including the mouth, esophagus and stomach.
Skin Absorption: No toxic effects expected due to skin absorption.
Inhalation: Inhalation of dusts may irritate the nose, throat and lungs.
Skin contact: Prolonged skin contact may cause skin irritation.
Eye Contact: Contact with eyes may cause irritation.
Chronic Effects: None currently known.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: If conscious, drink 2 to 4 glasses of water and induce vomiting by touching back of throat with finger. Seek medical attention.
Skin: Wash affected areas promptly with soap and water. Remove any contaminated clothing and launder before reuse.
Inhalation: Move to fresh air. If breathing is difficult, seek medical attention.
Eyes: Flush eyes with water for at least 15 minutes, holding the eyelids apart. If irritation

persists, seek medical attention.

Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid exposure to excessive heat.

Polymerization: Will Not Occur

Conditions to Avoid: None currently known.

Incompatibility material: Avoid contact with oxidizers, e.g., potassium salts, nitrites, nitrates, chlorates, chlorine and hypochlorite bleaches.

Hazardous Combustion: May emit ammonia, sulfur trioxide, and sulfur dioxide gases under fire conditions.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: If uncontaminated, sweep up or collect and reuse as product. If contaminated with other material, collect and place in proper container for later disposal.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: Use NIOSH-approved dust respirator in dusty conditions.

Ventilation: Local exhaust normally sufficient.

Gloves: Impervious gloves.

Eyes: Safety glasses.

Other: Eyewash station, impervious apron and footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or

ponds. Protect against physical damage. Store in a cool, dry place, separate from combustibles, organic or other readily-oxidizable materials.

Other precaution: Avoid contact with eyes, skin and clothing. Follow good hygiene and housekeeping practices.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.

Hazard Class: None

Identification No: None

Labels Required: None required

Placarding: None

Freight Class: Compound, Fertilizer (Manufactured Fertilizer), Solid, NOIBN (NMFC Item 68140, Sub 5, Class 50)

Chemical Name Equivalent R.Q.

Not applicable Not applicable

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum
Health: 1 Fire: 0 Reactivity: 0
S.A.R.A. Title III Hazard Classification: (Yes/No)
Immediate (Acute) Health: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

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