MATERIAL SAFETY DATA SHEET

JACK'S PROFESSIONAL 21-5-20 ALL PURPOSE WATER-SOLUBLE FERTILIZER

6656 Grant Way Allentown, PA 18106

Ammonium Nitrate

Magnesium Sulfate

Potassium Nitrate

Urea

Boric Acid

Iron EDTA

Copper Sulfate

Manganese Sulfate

Ammonium Molybdate

J.R. Peters, Inc.

In Case of Emergency call: CHEMTREC: 800-424-9300

For non-Emergency calls: 1-610-395-7104

I. MATERIAL IDENTIFICATION

Product Name: Jack's Professional Analysis:

21-5-20 All Purpose

NFPA Hazard Ratings Health

Flammability 0 Reactivity

OSHA

PEL_

None

None

None

None

None

None

None

None

None

5mg(Mo)/m3

Stight 2 Moderate 3 High

ACGIH

TLV

None

None

None

None

None

None

None

None

None

5mg(Mo)/m3

II. HAZARDOUS INGREDIENTS

MATERIAL

6484-52-2

Monopotassium Phosphate

07487-88-9 7778-77-0 7757-79-1 57-13-6

10043-35-3 7758-99-8 7785-87-7 15708-41-5

CAS#

7631-95-0 The ACGIH Threshold Limit Values for nuisance (inert) dusts containing <1% crystalline silica and no asbestos are: 10 mg/m3 total, 5 mg/m3 respirable. Product coating is expected to minimize airborne exposure.

If in eyes, flush with water for 15 minutes holding eyelids open. Get medical attention if irritation persists. Never give anything by mouth to an unconscious or convulsing person. Have conscious person drink 1 to 2 glasses of water, then induce repeated vomiting until vomit is clear. Call physician.

IV. HEALTH HAZARD INFORMATION

Summary of Risks

Eyes: Ingestion:

III. FIRST AID PROCEDURES

Wash with plenty of soap and water. Remove to fresh air. Treat symptomatically.

and kidney injury. Ingestion of product can cause severe gastrointestinal irritation, muscular weakness, and blue-tinged skin

Prolonged or repeated direct contact with fertilizer may irritate eyes and skin. Inhalation of dust may irritate nose, throat, and lungs. Prolonged exposure may cause weakness, depression, headache, mental impairment, anemia, methemoglobinemia,

Skin: Inhalation:

(cyanosis). Infants and children are especially at risk for cyanosis. Ingestion of large amounts may result in death.

Running water should be available in case material gets in eyes.

Safety Stations:

Extinguishing Media:

Flash Point (method):

Auto Ignition Temperature:

N/A Flammable Limits (% in Air):

Decomposes on heating

Water

N/A

Color: Odor:

Boiling Point:

Solubility in H₂0

Specific Gravity:

Vapor Pressure:

pH:

Evaporation Rate:

Aqua-blue powder

Slight yeasty odor

5.4 (10% solution)

100% @ 180F

Not Known

N/A

Decomposes on heating

 $(H_20 = 1)$ 45.1-47.2 lbs/ft3

In a fire, oxides of nitrogen, potassium, and carbon as well as ammonia, biuret, and cyanuric

Nitrates are incompatible with strong alkalies and reducing agents, active metals (such as

Urea is incompatible with strong oxidizers alkalies, sodium nitrite, and many chlorine

This product is comprised of materials which are oxidizers in their pure, unmixed forms. It

will not burn but can provide oxygen for existing fires and cause combustible materials to

Material decomposes on heating to emit toxic oxides of nitrogen, carbon, and potassium as well as ammonia, biuret, and cyanuric acid. High airborne dust concentrations have the

Evacuate area. Flood with water to cool containers. Apply water from a safe distance to avoid splattering of molten material. Wear self-contained breathing apparatus to fight large

aluminum and magnesium), ammonia, organic, and combustible materials.

compounds (including bleach and other household cleaning products).

Hazardous Decomposition Products: Chemical Incompatibilities:

Monoammonium phosphate is incompatible with sodium hypochlorite.

acid are possible.

ignite explosively.

potential for explosion.

Unusual Fire, Explosion and Reactivity Hazards:

In Case of Fire:

VII. REGULATORY INFORMATION **DOT Classification:** Nitrates Inorganic UN1477

VIII. STORAGE AND SPECIAL PRECAUTIONS Precautions to be taken in handling and storage

Store in a cool, dry area away from incompatible materials and heat sources. Store away from feed and foodstuffs, as well as

household cleaning products. Wash hands with soap and water after handling product. Keep out of reach of children.

In case of spills

Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies.

Waste Management/Disposal

After cleaning up spill, flush area with water.

with applicable federal, provincial, and local regulations.

fires.

Apply as fertilizer to field. If product is contaminated, dispose of in an approved landfill disposal facility, in accordance

10/4/2002 Date Issued: