

MATERIAL SAFETY DATA SHEET

Supplier: Agconnect Inc.
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SECTION I. PRODUCT IDENTIFICATION

Product Names: 2-14-16, 1-8-20 Chemical Family: Inorganic Salts
Trade Name: N-P-K mixed liquids
Description: Foliar fertilizer

SECTION II COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration
Ammonium Orthophosphate, dibasic Diammonium phosphate	7783-28-0	0-20%
Urea (Carbamimidic Acid, Carbonyl Diamide)	57-13-6	0-25%
Balance (Product Balance is non-hazardous material.		75-80%

SECTION III. PRODUCT AND COMPONENT HAZARD DATA

	%	Hazard Data
Total Nitrogen as N	2	N/A
Total Phosphorus as P2O5	14	N/A
Total Potassium as K2O	16	N/A
Total Humic Acid	1	N/A

SECTION IV. PHYSICAL DATA

Appearance and odor: Brown & black liquid, Molecular: Weight: unknown
No apparent odor and/or mild ammonia
Boiling Point at 1 atm, deg F: >200 Melting: Unknown
Vapor Pressure: N/A Specific Gravity: 1.41
pH: 7.4-7.8
Solubility in Water: 100%

SECTION V. FIRE AND EXPLOSION DATA

Flash Point: N/A Fire Extinguishing Agent: Use suitable agent for
surrounding fire
Upper: Unknown Flammable Limits: Unknown
Lower: Unknown Unusual Fire and Explosion Hazards: None

Special fire fighting procedures: N-P-K-S solutions are non-flammable. Approved self-contained breathing apparatus for fire fighters.

SECTION VI. REACTIVITY DATA

Stability: Stable

Incompatibility (materials to avoid). None known

Conditions to avoid: None

Hazardous Decomposition Products: None known

SECTION VII. HEALTH HAZARD INFORMATION

Effects of Routine Use: N-P-K-S solutions are considered to be low health hazards.

Emergency and First Aid Procedures

Contact: Wash with water for 15 minutes

Ingestion: Consult a Physician

Skin Contact: Wash with soap and water

Inhalation: Consult a Physician

SECTION VIII. TOXICITY DATA

Carcinogenicity: Not listed as a carcinogen.

Other Pertinent Data: None

SECTION IX. SPECIAL PROTECTION INFORMATION

Personal Protective Equipment

Protective Gloves: rubber Eye Protection: Chemical Goggles

Respiratory Protection: Not normally needed but recommend NIOSH-approved respirator.

Other Protective Equipment: N/A

Ventilation:

Local Exhaust: Not normally required

Mechanical: Not normally required

SECTION X. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spills, Leaks: (Steps to be taken) Since N-P-K-S is a fertilizer; it may promote eutrophication in waterways. In the case of a spill, contain spill and maximize recovery. Mop up or pump up promptly in metal or plastic containers.

SECTION XI. REGULATORY INFORMATION

FDA: N/A

USDA: N/A

DOT: Non-regulated

CPSC: N/A

Proper Shipping Name: liquid fertilizer

TSCA: N/A

Label requirements: None

Hazard Class: None

Other Information: None

Identification Number: None

SECTION XII. TRANSPORT INFORMATION

Not established under DOT – 49 CFR 101.72

SECTION XIII. SPECIAL PRECAUTIONS AND COMMENTS

Precautions to be taken in Handling and Storage: Store in suitable containers made of mild steel, fiberglass, plastic, or stainless steel. Avoid containers, piping, or fittings made of aluminum, copper-containing alloys or galvanized metal.

Other Precautions: None

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