

MATERIAL SAFETY DATA SHEET			
<b>MANUFACTURER:</b>	NA-CHURS/ALPINE Solutions	<b>NO.</b>	12-9-6 + micros
<b>ADDRESS:</b>	421 Leader Street Mairon, Ohio 43302	<b>DATE</b>	2/15/2005
<b>PHONE:</b>	1-740-382-5701 Ext. 221	<b>PREPARED BY</b>	Greg Bame
<b>EMERGENCY:</b>	1-800-424-9300 (Chemtrec)		

**SECTION I. MATERIAL IDENTIFICATION**

<b>CHEMICAL NAME AND SYNONYMS:</b>	Nitrogen, Phosphorus, Potassium mixed fertilizer solution	<b>TRADE NAME AND SYNONYMS:</b>	Starter Fertilizer
<b>CHEMICAL FAMILY</b>	Inorganic	<b>FORMULA</b>	Fertilizer Complex

**SECTION II. INGREDIENTS AND HAZARDS**

	%	HAZARD DATA			
Nitrogen as N	12	N/A			
Phosphorus as P <sub>2</sub> O <sub>5</sub>	9	N/A			
Potassium as K <sub>2</sub> O	6	N/A			
Micronutrients B, Cu, Fe, Mn, Mo, Zn	<.3	N/A			

**SECTION III. PHYSICAL DATA**

Boiling point at 1 atm, deg F	>200	Specific gravity (H <sub>2</sub> O = 1)	1.22
Water solubility	Complete	Density, lbs/gallon	10.2
pH	6.8-7.8		
Appearance and Odor:	Clear/translucent green liquid, may have slight ammonia odor.		

**SECTION IIIIV. FIRE AND EXPLOSION DATA**

Flash Point and Method: N/A	Autoignition Temp: N/A	Flammability Limits in Air: N/A	<b>LOWER</b>	<b>UPPER</b>
			N/A	N/A

Extinguishing media:	Water or suitable for surrounding materials
Special fire fighting procedures:	May evolve ammonia when heated, suitable respiratory protection or SCBA
Unusual fire and explosion hazards:	Oxides of nitrogen or phosphorus may be evolved. Wear appropriate SCBA.

**SECTION V. HEALTH HAZARD INFORMATION**

<b>FIRST AID:</b>	
Eye Contact:	Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.
Skin contact:	Flush skin immediately and thoroughly with water. If irritation persists, seek medical attention.
Inhalation:	Generally not considered an inhalation hazard unless misted or involved in fire. Move person to fresh air, if not breathing administer artificial respiration.
Ingestion:	If alert conscious, immediately give large quantities of water and induce vomiting. Seek medical attention.

**SECTION VI. REACTIVITY DATA**

Stability:	Stable at normal temperatures and pressures.
Conditions to avoid:	High temperature as in case of fire.
Incompatibility:	Strong acidic or alkaline materials.
Hazardous decomposition products:	Ammonia may be generated if exposed to excessive heat or strong alkaline materials. Oxides of nitrogen or phosphorus may be liberated upon excessive heat.
Hazardous Polymerization:	Not reported or expected.

**SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES**

SPILLS, LEAKS:	Since N-P-K is a fertilizer, product may promote eutrophication in waterways. In the case of a spill, contain the spill and maximize recovery. Store in mild steel or plastic containers.
WASTE DISPOSAL METHOD:	Disposal of N-P-K fertilizer may be subject to federal, state, and local regulations. Users of this product should review their operations in terms of applicable regulations, and then consult with the appropriate regulatory agents before discharging or disposing.

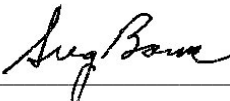
**SECTION VIII. SPECIAL PROTECTION INFORMATION**

Respiratory protection:	Respirators are not required under normal ventilated conditions. If heated to evolve ammonia, use appropriate protection. If misted by heat, agitation, or spray, use a NIOSH approved mist respirator.		
Ventilation:	Local exhaust under normal conditions of use; if misted, general mechanical ventilation is usually suitable.		
Protective Gloves:	Rubber gloves	Eye Protection:	Chemical splash goggles/face shield
Other protective equipment and precautions:	Not generally required		

**SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS**

Storage & Handling Information:	Good industrial and safety hygiene practices should always be used. Store in suitable containers made of mild steel, plastic, fiberglass, or stainless steel.	<table border="1"> <thead> <tr> <th colspan="2">Hazard Rating (NFPA)</th> </tr> </thead> <tbody> <tr> <td>Health:</td> <td>1</td> </tr> <tr> <td>Fire:</td> <td>0</td> </tr> <tr> <td>Reactivity:</td> <td>0</td> </tr> </tbody> </table> <p>This NFPA rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA).</p>	Hazard Rating (NFPA)		Health:	1	Fire:	0	Reactivity:	0
Hazard Rating (NFPA)										
Health:	1									
Fire:	0									
Reactivity:	0									
Other Precautions:	N/A									
DOT Class	Not Regulated									

Judgements as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information **NA-CHURS/ALPINE Solutions** extends no warranties, makes no representations and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

Signature:  Director, Technical Services