24-Hour Emergency Phone: 1-800-424-9300 Medical Emergencies: 1-800-301-7976

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### **FORMULATED FOR:**

UAP Northwest-Fertilizer Division

1220 N. Oregon Avenue • Pasco, WA 99302

PRODUCT NAME

17-0-5 LIQUID FERTILIZER

CHEMICAL NAME:

Inorganic/Organic Chemical Fertilizer Mixture

CHEMICAL FAMILY: EPA REG. NO.:

N-P-K Mixed liquid blended fertilizer not applicable

MSDS Number: 1705nw-03

MSDS Revisions: New product

Date Of Issue: 05/16/03

Supersedes: New

COMPOSITION, INFORMATION ON INGREDIENTS (Note: see product tag or label for specific ingredients)

Chemical ingredients:	Percentage by Weight:	CAS No.		
Total Nitrogen (N) Available Phosphate (P <sub>2</sub> O <sub>6</sub> ) Soluble Potash (K <sub>2</sub> O) Fertilizer salte and inert Ingredients	17.00 0.00 5.00 78.00	Mixture Mixture Mixture		

#### HAZARDS IDENTIFICATION SUMMARY

#### CAUTION: KEEP OUT OF REACH OF CHILDREN

This product is water clear liquid with no distinguishable odor. Primary routes of entry are Inhalation, eye contact and skin contact.

## FIRST AID MEASURES

Eyes:

Flush eyes with large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin:

Remove all contaminated dothing. Wash akin, hair, and fingernails thoroughly with scap and water. If imitation persists seek medical attention. Wash clothing before reuse.

ingestion:

If swellowed, give 2 glasses of water to drink. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician to get medical attention; the emergency telephone number is 1-800-301-7976

inhalation:

Move subject to fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult, give oxygen, Get medical attention

immediately.

## 5. FIRE FIGHTING MEASURES

FLASH POINT ("F/Test Method):

FLAMMABLE LIMITS (LEL & UEL): EXTINGUISHING MEDIA:

Not applicable

Not applicable

**HAZARDOUS COMBUSTION PRODUCTS:** 

Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide, foam, water spray or fog.

May include but are not limited to exides of carbon, hydrogen chloride, hydrogen fluoride, exides of

SPECIAL FIRE FIGHTING PROCEDURES:

nitrogen, ammonia, oxides of phosphorus, oxides of sulfur, hydrogen sulfide. Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Weer self-

contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Dusts or vapors can travel to a sources of ignition and flash back.

#### ACCIDENTAL RELEASE MEASURES

## STEPS TO BE TAKEN IF MATERIAL IS REALEASED OR SPILLED:

Avoid breathing vapors. Absorb and sweep up liquid spills immediately and transfer to suitable containers for possible land application according to label use or for disposet. Check local, state and federal regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

#### HANDLING AND STORAGE

HANDLING:

Store in a cool dry place away from children, feed and food products, and seed,

OTHER PRECAUTIONS:

Toxic to fish and other equatic organisms. Do not contaminate water supplies by handling and storage of product. Drift or runoff may adversely affect equatic invertebrates and non-target plants.

# **EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** 

Not normally required.

RESPIRATORY PROTECTION:

Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide

respirator.

EYE PROTECTION:

Chemical goggles or shielded safety glasses.

SKIN PROTECTION:

Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-

resistant gloves.

OSHA PEL 8 hr TWA Not established

**ACGIH TLV-TWA** Not Established

9. PHYSICAL AND CHEMICAL PROPERTIES  APPEARANCE AND ODOR: Waser clear Riguid with no distinguishable odor  SPECIFIC GRAVITY (Mater 1): 12:151 gmi Typical values should not be construed as a guaranteed should not be a guaranteed should not be guaranteed should not be construed as a guaranteed should not as a guaranteed should not be a							
SPECIFIC GRANTY (Matere 1): 1.215 (gml Matere 1): 1.215 (gml Mater	9. PHYSICAL AND CHEMICA	L PROPERTIES					
STABILITY: Stable INCOMPATIBILITY: None known. INCOMPATIBILITY: None known. INCOMPATIBILITY: None known. Hazardous Decomposition Products: Ures may decompose to release cyanuric acid, armonia, HCN, NO. Hazardous Polymerization: Will not occur.  11. TOXICOLOGICAL INFORMATION  Acute Oral LD50 (rat): >6000 mg/kg Eye inritation (rabbit): May cause moderate initiation inhalation: May cause moderate initiation (rabbit): May cause sight initiation inhalation: May cause sight initiation (rabbit): May cause may cause and cause sight	SPECIFIC GRAVITY (Water= 1): 1. VAPOR PRESSURE: Not establishe PERCENT VOLATILE (by volume): Note: These physical data are to	2151 g/mi ed Not established pical values based on ma	BULK DENS BOILING PO EVAPORAT terial tested but m	DINT: Not establishe TON RATE: Not est av verv from samole	ed ablished lo sample		ıbie
INCOMPATIBILITY: None known.  Hazardous Decomposition Products: Ures may decompose to release cyanuric acid, armonia, HCN, NO, Hazardous Polymerization: Will not occur.  11. TOXICOLOGICAL INFORMATION  Acute Oral LD50 (rat): >6000 mg/kg Eye inritation (rabbit): May cause amoderate inflation inhalation: May cause replants by tract inflation. Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH  12. ECOLOGICAL INFORMATION  Drift or runoff may adversely effect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water to not contaminate water when disposing of equipment wash water in a part of the procedures approved by local, state and federal regulations.  13. DISPOSAL CONSIDERATIONS  Do not reuse container. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose in a sanitary landfill or by other procedures approved by local, state and federal regulations.  14. TRANSPORT INFORMATION  DOT Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.  13. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 88140, SUB 5; CLASS 50)  15. REGULATORY INFORMATION  NPPA & HMIS Hazard Refings:  NPPA  1 Health  1 Health  1 Health  2 Moderate  3 High  4 Severe  SARA Hazard Notification/Reporting  SARA Title III Azard Category:  Delayed  N Fire  N Sudden Release of Pressure  N Fire  N Sudden Release of Pressure  N Reportable Quantity (RQ) under U.S. CERCLA: Not Isted SARA, Title III, Section 313: Not listed  CAP Proposition 85: Not listed	10. STABILITY AND REACTIVE	77					
Hazardous Polymerization: Will not occur.  11. TOXICOLOGICAL INFORMATION  Acute Oral LD50 (ras): >5000 mg/kg Eye Initiation (rabbil): May cause machants initiation inhalation: May cause respiratory tred triflation.  Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH  2. ECOLOGICAL INFORMATION  Onto or nunoff may adversely effect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water on one poly when weather conditions favor drift from target area.  13. DISPOSAL CONSIDERATIONS  Do not neuse container. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose in a sanitary tandfill or by other procedures approved by local, state and federal regulations.  14. TRANSPORT INFORMATION  DOT Shipping Description: NOT REGULATED BY DOT 8Y HIGHWAY.  U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI: LIQUID (NMFC 88140, SUB 5; CLASS 50)  15. REGULATORY INFORMATION  NFPA & HMIS Hazard Ratings:  NFPA    Health			CONDITION	S TO AVOID: None	known.		
11. TOXICOLOGICAL INFORMATION  Acute Oral LD30 (rat): >5000 mg/kg Eye Inritation (rabbit): May cause moderate initiation inhalation: May cause reprisonly tract inflation.  Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH  12. ECOLOGICAL INFORMATION  Drift or runoff may adversely effect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water po not apply when weather conditions favor drift from target area.  13. DISPOSAL CONSIDERATIONS  On not rause container. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose in a sanitary landfill or by other procedures approved by local, state and federal regulations.  14. TRANSPORT INFORMATION  DOT Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.  U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 5; CLASS 50)  15. REGULATORY INFORMATION  NPPA & HMIS Hazard Refings:  NPPA  1 Health  0 Least  1 Health  0 Least  1 Health  0 Least  1 Health  0 Flammobility  1 Skight  0 Flammobility  2 Moderate  0 Reactivity  1 Severe  SARA Hiszard Notification/Reporting  SARA Title III Nazard Category:    Immediate		ts: Urea may decompose	e to release cyanu	ric ecid, ammonla. H	CN, NO.		
Acute Oral LD50 (rat): >5000 mg/kg  Eye Instation (rabbit): May cause moderate instation Inhalation: May cause napiratory tract instation Inhalation: May cause napiratory tract instation Inhalation: May cause napiratory tract instation Inhalation: May cause submach distress, nausea or vomiting.  Carcinogenic Potentials: None listed in OSHA, NTP, IARC or ACGIH  12. ECOLOGICAL INFORMATION  Drift or runoff may adversely effect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water bon not apply when weather conditions favor drift from target area.  13. DISPOSAL CONSIDERATIONS  Do not rause container. Plastic Jugs: Triple mase (or equivalent), then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose in a sanitary landfill or by other procedures approved by local, state and federal regulations.  14. TRANSPORT INFORMATION  DOT Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.  U.3. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 88140, SUB 5; CLASS 50)  15. REGULATORY INFORMATION  NFPA  HMIS  1 Health 1 Health 2 Least 1 Health 3 Flammability 3 Moderate 4 Severe  SARA HIMIS Hazard Refinge:  NFPA  Inmediate Y Fire N Sudden Release of Pressure N PE  Delayed N Reactive N Reactive N Reactive N Reactive N Reactive N Reactive N Not listed CAP Proposition 65: Not listed	Hazardous Polymerization: Will no	at occur.					
Eye Inhalation: May cause moderate initiation impactions: May cause appraisor bract intestion.  Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH  12. ECOLOGICAL INFORMATION  Drift or runoff may adversely effect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water as a contaminate water when disposing of aquipment wash water area.  13. DISPOSAL CONSIDERATIONS  Do not reuse container. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose in a sanitary landfill or by other procedures approved by local, state and federal regulations.  14. TRANSPORT INFORMATION  DOT Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.  13. Surface Freight Classification: FERTILLZING COMPOUNDS (MANUFACTURED FERTILLZERS), NOI; LIQUID (NMFC 68140, SUB 5; CLASS 50)  15. REGULATORY INFORMATION  NFPA	11. TOXICOLOGICAL INFORM	ATION	·····				
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13. DISPOSAL CONSIDERATIONS  Do not reuse container. Plastic Jugs: Triple rinse (or equivalent), then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose in a sanitary landfill or by other procedures approved by local, state and federal regulations.  14. TRANSPORT INFORMATION  DOT Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.  13. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 88140, SUB 5; CLASS 50)  15. REGULATORY INFORMATION  NFPA & HMIS Hazard Rafings:  NFPA  1 Health 1 Health 2 Least 1 Health 3 High 4 Severe  SARA Hazard Notification/Reporting SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N Reactive N Reactive N Reactive N Reactive SARA, Title III, Section 313: Not listed ARA, Title III, Section 313: Not listed CA Proposition 65: Not listed  CA Proposition 65: Not listed  CA Proposition 65: Not listed	12. ECOLOGICAL INFORMATI	DN					
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14. TRANSPORT INFORMATION  DOT Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.  U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 5; CLASS 5))  15. REGULATORY INFORMATION  NFPA HMIS  1 Health	13. DISPOSAL CONSIDERATIO	)NS					
15. REGULATORY INFORMATION  NFPA & HMIS Hazard Ratings:  NFPA  1 Health  1 Health  1 Slight  1 Slight  1 Health  2 Moderate  3 High  4 Severe  SARA Hazard Notification/Reporting SARA Title III Hazard Category:  Delayed  NFPA  NFPA  HMIS  1 Health  1 Health  2 Moderate  3 High  4 Severe  SARA Title III Hazard Category:  Delayed  N Reactive  N  Reactive  N	14. TRANSPORT INFORMATIO	N	, state and federa	recycling at an ACR il regulations.	C site or by recondition	ing, or puncture and di	spose
NFPA & HMIS Hazard Ratings:    1	U.S. Surface Freight Classification	EGULATED BY DOT BY I: FERTILIZING COMPO	HIGHWAY. UNDS (MANUFA	CTURED FERTILIZ	ERS), NOI; LIQUID (N	MFC 68140, SUB 5; C	LASS
1 Health 0 Least 1 Health 0 Flammability 1 Slight 0 Flammability 0 Instability 2 Moderate 0 Reactivity 3 High H PPE 4 Severe  SARA Hazard Notification/Reporting SARA Title III Mazard Category: Immediate Y Fire N Sudden Release of Pressure N Delayed N Reactive N Reportable Quantity (RQ) under U.S. CERCLA: Not listed SARA, Title III, Section 313: Not listed RCRA Wasse Code: Not listed CA Proposition 65: Not listed	15. REGULATORY INFORMATI	ON					
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16. OTHER	SARA, Title III, Section 313: Not lists RCRA Waste Code: Not listed	i. CERCLA; Not listed ad	· ·				
	16. OTHER						

MSDS STATUS: New product

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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