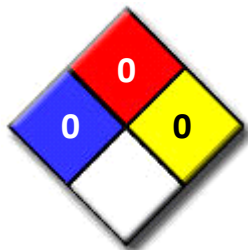




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 Lake Panasoffkee, FL 33538
 800-476-6674 352-793-1682
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Safety Data Sheet (OSHA 29 CFR 1910.1200)



Section 1 - Product and Company Identification

Product	16-4-8		
Company	UAS of America 534 CR 529A Lake Panasoffkee, FL 33538	Phone	800-476-6674
		Emergency Phone	352-793-1682
Product Use	Nitrogen, Phosphorous, Potassium (NPK) mixed fertilizer solution		

Section 2 - Composition and Information on Ingredients

Component Ingredients	Hazardous	Percent	CAS Number	Threshold Limit Values			
				OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL
Phosphoric Acid	Yes		7664-38-2	-NONE ESTABLISHED-			
Urea	Yes		57-13-6	-NONE ESTABLISHED-			
Potassium Hydroxide	Yes		1310-58-3	-NONE ESTABLISHED-			
Fish Emulsion	No		N/A	-NONE ESTABLISHED-			
Seaweed Extract	No		N/A	-NONE ESTABLISHED-			

Section 3 - Hazard Identification

Potential Health Effects

EMERGENCY OVERVIEW:

ROUTES OF ENTRY:

Inhalation: No Skin: No Ingestion: Unlikely

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause irritation or dermatitis in sensitive individuals.

INGESTION: Do not consume. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

INHALATION: Generally not considered and inhalation hazard.

CHRONIC AND ACUTE HEALTH HAZARDS: Eye contact may cause irritation. Prolonged contact with skin may cause irritation or dermatitis in sensitive individuals.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

CARCINOGENICITY: No

OSHA: No NTP: No

IARC: No OTHER:

Section 3 NOTES:

Section 4 - First Aid Measures

Skin Contact Skin Absorption Eye Contact Inhalation Ingestion

Skin Contact Dry and/or red itchy skin- Flush with water for 15 minutes. Get medical attention if irritation persists.

Skin Absorption Dry and/or red itchy skin- Flush with water for 15 minutes. Get medical attention if irritation persists.

Eye Contact Eye irritation- Flush with water for 15 minutes. Get medical attention if irritation persists.

Inhalation Generally not considered an inhalation hazard.

Ingestion If conscious, immediately give large quantities of water and induce vomiting. Seek medical attention immediately.

Section 5 - Fire Fighting Measures

Flammable

Flammable Conditions None. Solution is non-flammable.

Methods of Extinguishing Water, water fog or foam. Use media suitable to extinguish source of fire.

Flashpoint degrees (c) None

Flashpoint Method N/A

Autolgnition Temp (c) N/A

Upper Flammable Limit (% by volume) N/A

Lower Flammable Limit (% by volume) N/A

Explosion - Sensitivity to Impact

N/A

Explosion - Sensitivity to Static Discharge

N/A

Protection and Procedures for FireFighters

Product is not combustible.

Protective Equipment for Firefighters

Use media suitable to extinguish source of fire.

Section 6 - Accidental Release Measures

Leak and Spill Procedures

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. Material Released or Spilled: Promptly mop up or pump up material and place in suitable container for use as a fertilizer or for disposal.

Section 6 NOTES:

Section 7 - Handling and Storage

Handling Procedures and Equipment

Store in a cool, dry area. Keep container closed when not in use. Keep Out Of Reach Of Children.

OTHER PRECAUTIONS: Avoid containers, piping, or fittings made of aluminum, copper-containing alloys or galvanized steel.

Section 7 NOTES:

Storage Requirements

Store in a cool, dry area. Keep container closed when not in use. Keep Out Of Reach Of Children

Section 8 - Exposure Controls - Personal Protection

Specific Engineering Controls

VENTILATION : Adequate ventilation required to maintain a fresh airflow.

Gloves Respirator Eye Footwear Clothing Other

Personal Protective Equipment

RESPIRATORY PROTECTION: If mist or dust conditions should be present use respirator approved by NIOSH.

EYE PROTECTION: Goggles or face shield.

SKIN (Hands, Arms, and Body) PROTECTION: Adequate clothing should be worn to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye bath, safety shower .

WORK HYGIENIC PRACTICES: Wash all clothing before wearing. Wash all exposed skin surfaces with soap and water after using this product.

EXPOSURE GUIDELINES:

LOCAL EXHAUST: Adequate

Section 8 NOTES:

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Odor and Appearance	Dark Amber, Fish Odor
Solubility in Water	Complete
Specific Gravity	1.2
Vapor Density (air = 1)	N/A
Vapor Pressure (mmHg)	N/A
Evaporation Rate	N/A
Boiling Point (° C)	212 (F) 100 (C)
Freezing Point (°C)	32 (F) 0 (C)
pH @ 20 Celcius	8.4
Coefficient of Water/Oil Distribution	N/A
Notes	10.29 lb/gl

Section 10 - Stability and Reactivity

Chemical Stability

Stability Conditions

Product is stable.

Incompatibility with Other Substance

Incompatibility conditions

Strong Acids or alkali and strong Oxidizers. Water-reactive materials.

Reactivity Conditions

None

Hazardous Decomposition Products

Carbon Monoxide and Carbon Dioxide

Section 11 - Toxicological Information

Effects of Acute Exposure

Eye contact may cause irritation.

Effects of Chronic Exposure

Prolonged contact with skin may cause irritation or dermatitis in sensitive individuals.

Irritancy Yes

Skin Sensitization Yes

Carcinogenicity - IARC NO

Reproductive NO

Embrototoxicity NO

Respiratory Sensitize NO

Carcinogenicity - ACGIH NO

Teratogenicity NO

Mutagenicity NO

Section 12 - Ecological Information

Ecological Information

N/A

Section 13 - Disposal Considerations

Waste Disposal

If product cannot be disposed of according to use directions on label. Dispose of in accordance with federal, state, and local environmental laws and regulations.

Section 14 - Transportation Information

U.S. DOT Not Regulated

IMDG Not Regulated

ICAO/IATA Not Regulated

Transport Information

Not Regulated by DOT

Section 15 - Regulatory Information

Health Hazard 0 Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

Fire Hazard 0 Materials that will not burn.

Instability 0 Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

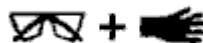
Special Hazard

Section 16 - Other Information / Warranty / Disclaimer

Revised 27-Jan-15

Prepared By Denise

Health	0
Flammability	0
Reactivity	0
Personal Protection	B



Health Hazard 0 No significant risk to health

Flammability 0 Materials that will not burn

Reactivity 0 Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection B Safety Glasses + Gloves

Disclaimer

HMIS Ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on MSDS's by OSHA's CFR 1910.1200, we choose to provide them as a service to our customers using HMIS. These ratings are to be used only with a fully implemented HMIS program. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

NPCA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS Implementation Manual.

When two ratings are provided for Health, the first represents the material 'as supplied,' and the second represents the material 'in use.'

Other Information

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