pHorus 5-30-10
SAFETY DATA SHEET

SECTION 1: Identification

1.1 GHS Product identifier

Product name	pHorus 5-30-10

1.3 Recommended use of the chemical and restrictions on use

Plant Fertilizer

1.4 Manufacturer

Name	UAS of America
Address	534 CR 529A Lake Panasoffkee FL 33538 USA
Telephone	(352) 793-1682
email	

1.5 Emergency phone number

1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Signal Word: WARNING

Hazard statement(s)

H319	Causes serious eye irritation

Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P280	Wear eye protection/face protection.
P305+P351+P338	IF IN EYES or on SKIN: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye or skin irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Component	Concentration
Phosphorous acid (CAS no.: 10294-56-1; EC no.: 233-663-1; Index no.: 015-157-00-0)	Not specified*
Potassium hydroxide (CAS no.: 1310-58-3; EC no.: 215-181-3; Index no.: 019-002-00-8)	Not specified*
Aqua Ammonia (CAS no.: 1336-21-6)	Not specified*

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a poison center/doctor/physician if you feel unwell.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Obtain medical attention if breathing difficulty persists.
In case of skin contact	Remove contaminated clothing. Rinse with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Obtain medical attention if pain or redness persists.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain medical attention. Call a poison center/doctor/physician if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/Injuries after inhalation: Prolonged exposure may cause irritation.
Symptoms/Injuries after skin contact: Prolonged exposure may cause skin irritation.
Symptoms/Injuries after eye contact: May cause slight irritation to eyes.
Symptoms/Injuries after ingestion: Ingestion may cause adverse effects.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If exposed or concerned, get medical advice and attention.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Not considered flammable.
Product is not explosive.
Hazardous reactions will not occur under normal conditions.

5.3 Special protective actions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Use personal appropriate protective equipment.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and materials for containment and cleaning up

Clean up spills immediately dispose of waste safely. Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal. Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid contact with skin and eyes. Avoid overheating or freezing.
Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Always wash hands after handling the product. Wash contaminated clothing before reuse.
Keep away from children and pets.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container in a cool, well ventilated place away direct sunlight, extremely high or low temperatures and incompatible materials. Store in temperatures 40°F-78°F. Keep container closed when not in use. Store in a well-ventilated place. Keep cool and away from direct sunlight.
Incompatible products: Strong bases. Strong acids. Strong oxidizers.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Wear protective gloves and suitable protective clothing.

Body protection
Hand protection: Wear protective gloves.
Eye protection: Chemical googles or safety glasses.
Skin and body protection: Wear suitable protective clothing

Respiratory protection
Wear appropriate mask

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Clear Liquid
Odor	Odorless
Odor threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Explosive properties	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Oxidizing properties	No data available
pH	6.60
Kinematic viscosity	No data available
Solubility	Complete
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	No data available
Evaporation rate	No data available
Density and/or relative density	1.40
Relative vapor density	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
Avoid interaction with heat (flames), oxidizers, acids or alkalis.

10.2 Chemical stability
The product is stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions
Strong oxidizers such as nitrates, nitrites or chlorates can cause explosive mixtures if heated to dryness.

10.4 Conditions to avoid
Extremely high temperatures or low temperatures. Direct sunlight. Incompatible materials.

10.5 Incompatible materials
Strong acids, strong bases.

10.6 Hazardous decomposition products
Includes but not limited to oxides of phosphorous, phosphine, oxides of carbon, and ammonia.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Harmful if swallowed

Skin corrosion/irritation
Not classified

Serious eye damage/irritation
Not classified

Respiratory or skin sensitization
Not classified

Germ cell mutagenicity
Not classified

Carcinogenicity
Not classified

Reproductive toxicity
Not classified

Specific target organ toxicity (STOT) - single exposure
Not classified

Specific target organ toxicity (STOT) - repeated exposure
Not classified

Aspiration hazard
Not classified

SECTION 12: Ecological information

Toxicity
This product is not considered harmful to aquatic organisms or cause long-term adverse effects in the environment.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Dispose of contents/container in accordance with local, state, federal, and international environmental laws and regulations.

Packaging disposal
Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container in accordance with local, regional, national and/or international regulations.

Waste treatment
Avoid unintentional release to the environment

SECTION 14: Transport information

DOT (US)
Not regulated as a dangerous good

IMDG
Not regulated as a dangerous good

IATA
Not regulated as a dangerous good

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

SARA 302 Components
No products were found.

SARA 311/312 Hazards
No SARA hazards.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components
Potassium hydroxide CAS-No. 1310-58-3
Aqua Ammonia CAS-No. 1336-21-6

New Jersey Right To Know Components
Potassium hydroxide CAS-No. 1310-58-3
Aqua Ammonia CAS-No. 1336-21-6

Pennsylvania Right To Know Components
Potassium hydroxide CAS-No. 1310-58-3
Aqua Ammonia CAS-No. 1336-21-6

California Prop. 65 Components
This product does not contain any chemical know to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: Other information

Date of Revision: January 3, 2023
Prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall UAS of America, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if UAS of America has been advised of the possibility of such damages.