

SAFETY DATA SHEET

SDS DATE: 11/9/2016

ACTIVATOR PH

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ACTIVATOR PH

DISTRIBUTOR: Diamond R Fertilizer Company, Inc.
ADDRESS: P.O. Box 12489 Ft. Pierce, FL 34979
PHONE: (772) 464-9300

EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Alkyl Aryl Polyethoxyethanol Phosphates and Organic Acids
CHEMICAL FORMULA: Mixture

PRODUCT USE: Buffering Surfactant

SECTION 1 NOTES: None

SECTION 2: HAZARDS IDENTIFIED

GHS Ratings:

Toxicity Categories

Skin corrosion/ irritation	Category 1A
Eye damage/ irritation	Category 1
Organ tox single exposure	Category 3
Corrosive to metals	Category 1



Signal Word: DANGER

GHS HAZARDS

H290 May be corrosive to metals.
H303 May cause respiratory irritation; or May cause drowsiness or dizziness.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

GHS PRECAUTIONS

P102 Keep out of reach of children.
P103 Read label before use.
P234 Keep only in original container.
P261 Do not breathe dust, fume, gas, mist, vapors or spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+351+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water or shower.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P310 Immediately call a POISON CENTER, doctor or physician.
P312 Call a poison center, doctor or physician if you feel unwell.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P 403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

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SECTION 3: INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Trade Secret	Trade Secret	1 – 5%
Proprietary	Proprietary	10– 20%
Phosphoric Acid	7664-38-2	20 – 30%

NOTE: Product does NOT contain any pesticides or pest control agents.

SECTION 3 NOTES: These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.

CARCINOGENICITY **OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

SECTION 4: FIRST AID MEASURES

Have the product container with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.

IF ON SKIN OR CLOTHING (or hair): Take off immediately all contaminated clothing. Rinse with water or shower. Wash with plenty of soap and water for several minutes. Call a poison center, doctor or physician to specify the appropriate source of emergency medical advice. If skin irritation occurs: Get medical advice or attention.

IF SWALLOWED: Rinse mouth, Do NOT induce vomiting. Unless advised otherwise by a poison control center or doctor, if able. Do not give anything by mouth to an unconscious person. Call a poison center, doctor or physician to specify the appropriate source of emergency medical advice if you feel unwell.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: 3 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **OTHER:** -

IN CASE OF FIRE: Water spray, dry chemical, carbon dioxide, and foam. Use water spray to keep fire-exposed containers cool.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter enclosed or confined workspaces without proper protective equipment. Fire fighting personnel should wear respiratory protection. (positive pressure if available)

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce carbon monoxide and other asphyxiates.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 6 NOTES: None

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SECTION 7: HANDLING AND STORAGE

HANDLING Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Do not breathe dust, fume, gas, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Wash contaminated areas thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Wash contaminated clothing before reuse.

STORAGE: Store locked up. Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.


SECTION 7 NOTES: None


SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	OSHA		ACGIH		NIOSH	
	PEL	STEL	PEL	STEL	PEL	STEL
Phosphoric acid 7664-38-2	1 mg/m3 TWA		1 mg/m3 TWA	3 mg/m3 STEL	1 mg/m3 TWA	3 mg/m3 STEL

VENTILATION: Use only outdoors or in a well-ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

RESPIRATORY PROTECTION: Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

EYE PROTECTION: Chemical goggles. 

SKIN PROTECTION: Chemical gloves, long-sleeved shirts and pants. 

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash and safety shower should be easily accessible.

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES: If exposed, see section 4 for acute exposure first aid.

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear Green, viscous	FLAMMABLE LIMITS IN AIR, UPPER:	Unknown
ODOR:	Mild Odor	(% BY VOLUME) LOWER:	Unknown
ORDER THRESHOLD:	Not known	VAPOR PRESSURE (mmHg):	@
PHYSICAL STATE:	Liquid		F: Unknown C: Unknown
pH AS SUPPLIED:	Not applicable	VAPOR DENSITY (AIR = 1):	@
pH (Other):			F: Unknown C: Unknown
INITIAL BOILING POINT:	F: Unknown C: Unknown	RELATIVE DENSITY:	1.126 to 1.149
BOILING POINT RANGE:	F: Unknown C: Unknown	EVAPORATION RATE:	Unknown
MELTING POINT:	F: Unknown C: Unknown	BASIS (butyl acetate=1):	
FREEZING POINT:	F: Unknown C: Unknown	SOLUBILITY IN WATER:	Soluble
FLASH POINT:	F: >200 C: >93	PARTITION COEFFICIENT: (n-octanol/water):	Unknown
METHOD USED:	PMCC	AUTO-IGNITION TEMPERATURE:	Unknown
FLAMMABILITY (solid, gas):	Can burn	DECOMPOSITION TEMPERATURE:	Unknown
		VISCOSITY:	@ Not determined F: Unknown C: Unknown

SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): Stable under normal conditions.

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with strong oxidizing agents – reactions can occur.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Incomplete combustion may produce carbon monoxide and other asphyxiates.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None

MIXTURE TOXICITY Not available

COMPONENT TOXICITY Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: None

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS: None

SECTION 13 NOTES: None

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description:

NMFC: PROPER SHIPPING NAME: Corrosive Liquid, (Phosphoric, Citric Acid) N.O.S, 8, UN1760, PGIII,
Exempt from labeling requirements under 49 CFR 173.154(b)(2) for quantities up to 5 liters per container

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains PHOSPHORIC ACID)

HAZARD CLASS: 8
ID NUMBER: UN3264
PACKING GROUP: III
LABEL STATEMENT:

Note: Exempt from labeling requirements for passenger aircraft for container size up to 5 liters per 49 CFR 173.27 and cargo aircraft for containers up to 60 liters per 49 CFR 175.75

Immersion corrosion testing of metal (DOT) The corrosion rates was calculated to average 31.8 mm/yr.

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None
SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: See SARA 313 regulations for reporting of aqueous ammonia.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.