DynaPhite™

FOLIAR PHOSPHITE NUTRIENT

0-28*-26

GUARANTEED ANALYSIS

Total Phosphoric Acid (P_2O_5)	28.00%
Soluble Potash (K_2O)	26.00%

Derived from potassium hydroxide and phosphorous acid.
Density, Lbs./Gallon @ 68°F: 12.45 Lbs. (5.65 kg)

KEEP OUT OF REACH OF CHILDREN

WARNING

Causes eye irritation.
Causes skin irritation.
Harmful if swallowed.

See FIRST AID and Additional Precautionary Statements Below

Read Entire Label Before Using This Product

SHAKE WELL BEFORE USING

(Recirculate Contents Before Use)

Net Content:
2.5 gal (9.46 l)

F1743

Information about the components of this lot of fertilizer material may be obtained by writing to Drexel Chemical Company, P.O. Box 13327, Memphis, TN 38113-0327, and giving the lot number found on the container.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html.

PRECAUTIONARY STATEMENTS

WARNING: Causes skin and eye irritation. Harmful if swallowed. Do not get on skin, in eyes or on clothing. Take off contaminated clothing and wash before reuse. If swallowed, call poison center, doctor/physician if you feel unwell. Do not eat, drink, or smoke when using this product. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco or using the toilet. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or compatibility agents, follow the FIRST AID and Precautionary Statements on the product's labeling.

PERSONAL PROTECTION EQUIPMENT (PPE):

Wear eye and face protection, protective gloves, clothing, shoes and socks.

FIRST AID

IF ON SKIN OR CLOTHING:
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- If skin irritation occurs, get medical attention.

IF IN EYES:
- Rinse cautiously with water for 15 to 20 minutes.
- Remove contact lenses, if present and easy to do so. Continue rinsing.
- If eye irritation persists, get medical attention.

IF SWALLOWED:
- Call a poison control center or doctor if you feel unwell.
- Rinse mouth.

IF INHALED:
- Move person to fresh air and keep comfortable.
- Call poison control center or doctor for treatment advice if you feel unwell.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency call CHEMTREC at 1-800-424-9300.

GENERAL INFORMATION

Nutrient deficiencies in Permanent Crops, Vegetable Crops, and Field Crops, as well as Golf Courses, Turfgrass (Warm and Cool Season), Commercial Greenhouse, Landscape and Sod Farms, Ornamental and Nursery Crops, and Perennials and Annuals can be effectively treated with DynaPhite Foliar Phosphite Nutrient 0-28*-26.

As both a foliar and soil-applied plant food, conventional sprayers, ground or aerial application equipment may be utilized to deliver DynaPhite Foliar Phosphite Nutrient 0-28*-26.

From pre-bloom to post-transplant, root development, budding and flowering, to maintaining plant vigor, DynaPhite Foliar Phosphite Nutrient 0-28*-26 supplies the plant's phosphate and potash needs. *Phosphorous acid products are for use as a supplemental fertilizer treatment. *Upon foliar application, the phosphite ions are taken up directly by the plant foliage and may undergo a degree of conversion to phosphate ions, or will be used directly by plants, as phosphite ions. *As a soil application to annual crops, a lesser response from the initial crop, with a corresponding superior response from succeeding crops, may be observed. In addition, placement close to seeds or root zones may be injurious to crops. The effect may be aggravated by a soil pH below 6.5.

Foliar fertilization is intended as a supplement to a regular fertilization program and may not, by itself, provide all the nutrients normally required by crops or other intended plants.

PRECAUTIONS & RECOMMENDATIONS

- Adding adjuvants or surfactants to this product is not recommended.
- If the spray solution is below 6 pH, do not mix with copper-based fungicides or fixed copper.
- Foliar injury, foliar burning, root injury, phytotoxicity, pH changes in your planting medium, injector system damage and irrigation system damage can be prevented by adhering to all precautions and exercising sound conventional cultural practices when using this highly concentrated product.
- Combinations of this product with any other product should be tested for compatibility prior to any spray mix application. A phytotoxicity trial is recommended, especially if you do not have experience with the combination.
- Contact your local agricultural extension agent, a certified crop application advisor, or authorized Drexel representative for more information.

MIXING INSTRUCTIONS

Fill the clean spray or mix tank half-way with water, begin agitation, add other fertilizers and/or pesticides in the following sequence (unless otherwise directed by their labeling):

1. Dry flowables or water dispersible granules
2. Wettable powders
3. Flowables
4. Emulsifiable concentrates
5. Water-based solutions
6. Compatibility agents
7. Other Fertilizers and/or Pesticides

Manufactured By:
Drexel Chemical Company
P.O. Box 13327, Memphis, TN 38113-0327
(901) 774-4370
SINCE 1972

DIRECTIONS FOR USE

Foliar applications always require sufficient water for thorough coverage of the plant's foliage.

Maximum spray volume solution is 2%. A 0.5% v/v solution is equal to 6.4 fluid ounces of this product per 10 gallons of water.

Application via aerial, ground, or conventional sprayers at 10 to 500 gallons of water per acre is recommended.

For each 1,000 square feet of coverage area, use 8 fluid ounces of this product per 6.25 gallons of water.

Follow the suggested rates below for aerial, ground and irrigation application methods, or as otherwise directed.

BERRIES

STRAWBERRIES

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

FIELD CROPS

ALFALFA

Aerial: 1 to 4 pints per acre
Ground: 1 to 4 pints per acre

CORN

Aerial: 1 to 4 pints per acre
Ground: 1 to 4 pints per acre

COTTON

Aerial: 1 to 4 pints per acre
Ground: 1 to 4 pints per acre

GOLF COURSE, TURFGRASS (WARM AND COOL SEASON), COMMERCIAL GREENHOUSE, LANDSCAPE AND SOD FARMS

BENTGRASS, BLUEGRASS, RYEGRASS, ZOYSIAGRASS, BERMUDAGRASS, FESCUEGRASS, ST. AUGUSTINEGRASS, CENTIPEDEGRASS, AND *POA ANNUA*

For a total spray volume of 1.75 to 2 gallons, use 5 to 10 fluid ounces for each 1,000 square feet of coverage area. Repeat as necessary every 14 to 21 days. Soil or plant tissue analysis may be utilized to identify the need for increased potassium levels to help to increase plant tolerance to abiotic stresses such as heat.

ORNAMENTAL AND NURSERY CROPS

EVERGREEN AND DECIDUOUS SPECIES

(Including Trees, Shrubs, and Foliage Plants)

Propagule: Temporarily immerse cutting(s) into a 0.5% v/v solution before planting.

Transplanting: Apply as a 0.5% v/v solution foliar spray or immerse the transplant tray temporarily in a 0.5% v/v solution before transplanting.

Plant Vigor: Apply foliarly every 10 to 14 days (or as necessary) in a 0.5% v/v solution.

General Application Timing: First application at bud break, continue plant vigor rates until plant senescence. Do not apply during dormancy.

PERENNIALS AND ANNUALS

CUT FLOWERS

Propagule: Temporarily immerse cutting(s) into a 0.5% v/v solution prior to planting.

Transplanting: Apply as a 0.5% v/v solution foliar spray or immerse the transplant tray temporarily in a 0.5% v/v solution before transplanting.

Plant Vigor: Apply foliarly every 10 to 14 days (or as necessary) in a 0.5% v/v solution. Two to three days prior to harvest, a 0.5% v/v solution of this product may be used.

Post-Harvest: After harvest and prior to shipping, immerse the cuttings in a 0.5% v/v solution.

BEDDING PLANTS

Transplanting: Apply as a 0.5% v/v solution foliar spray or immerse the transplant tray temporarily in a 0.5% v/v solution before transplanting.

Plant Vigor: At the fourth true leaf stage, apply foliarly every 10 to 14 days (or as necessary) in a 0.5% v/v solution.

PERMANENT CROPS

ALMONDS

Aerial: 1 to 4 pints per acre. First application at green tip, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at green tip, subsequent treatments at 30 day intervals up to nut fill or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

APPLES, PEARS (POME FRUIT)

Aerial: 1 to 4 pints per acre. First application at green tip, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at green tip, subsequent treatments at 30 day intervals or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

AVOCADO

Aerial: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

CANEBERRIES, BLACKBERRIES, RASPBERRIES AND OTHERS

(See separate section BERRIES **for** STRAWBERRIES**)**

Aerial: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

CITRUS

Aerial: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

GRAPES, TABLE

Aerial: 1 to 4 pints per acre. Apply first application at bloom, subsequent applications at bunch pre-closing, veraison and two to three weeks prior to harvest, or as needed. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. Apply first application at bloom, subsequent applications at bunch pre-closing, veraison and two to three weeks prior to harvest, or as needed.

Irrigation: First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

GRAPES, WINE

Aerial: 1 to 4 pints per acre. Apply first application at approximately 5% bloom, subsequent applications at bunch pre-closing, veraison and two to three weeks prior to harvest, or as needed. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. Apply first application at approximately 5% bloom, subsequent applications at bunch pre-closing, veraison and two to three weeks prior to harvest, or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

HOPS

Aerial: 2 to 4 pints per acre. First application at 1 inch to 4 inches of shoot growth, subsequent applications at 8 inches to 10 inches of shoot growth and 5 feet to 6 feet after trellising, and during bloom, or as needed. Dilute 2 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 2 to 4 pints per acre. First application at 1 inch to 4 inches of shoot growth, subsequent applications at 8 inches to 10 inches of shoot growth and 5 feet to 6 feet after trellising, and during bloom, or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product add 6.25 gallons of water per acre.

KIWI

Aerial: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

OLIVES

Aerial: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at pre-bloom, subsequent treatments at 30 day intervals or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

PLUMS, PEACHES (STONE FRUIT)

Aerial: 1 to 4 pints per acre. First application at green tip or pink bud, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application at green tip or pink bud, subsequent treatments at fruit set, thinning, and two to three weeks prior to harvest, or as needed. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

WALNUTS AND OTHER NUT CROPS

Aerial: 1 to 4 pints per acre. First application at green tip, subsequent treatments at 30 day intervals or as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 2 to 4 pints per acre. First application at green tip, subsequent treatments at 30 day intervals or as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 2 to 4 pints per acre. First application with the first Spring irrigation, subsequent treatments at 90 day intervals or as needed. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

VEGETABLE CROPS

BEANS

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application after thinning or second true leaf stage, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

COLE CROPS (BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CALABRESE, CAULIFLOWER)

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application post-transplanting, thinning, or second true leaf stage, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

CUCURBITS (CUCUMBERS, MELONS)

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

EGGPLANT, PEPPERS, TOMATOES

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

LETTUCE, SPINACH, OTHER LEAFY VEGETABLES

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

PEAS

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Irrigation applications should be a minimum of 1 gallon of this product to 100 gallons of water or 1% by volume. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

POTATOES, ROOT, BULB OR TUBER CROPS

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

SUGAR BEETS

Aerial: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Dilute 1 to 4 pints of this product in 10 to 20 gallons of water.

Ground: 1 to 4 pints per acre. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. A 2% solution of this product by spray volume is the maximum permissible rate for foliar application, or for each 1 pint per acre of this product, add 6.25 gallons of water per acre.

Irrigation: 1 to 4 pints per acre per application. First application post-transplanting or thinning, subsequent applications at 10 to 14 day intervals as required. Do not exceed 2 gallons per 100 gallons of water or 2% by volume per application.

STORAGE AND DISPOSAL

STORAGE: Do not store at temperatures below 32°F and protect from frost. Keep out of reach of children and animals in a cool, dry chemical storage area. Keep container tightly closed. Do not allow water to be introduced into the container contents.

DISPOSAL: Dispose of empty containers by triple rinsing with detergent solution or puncture and discard empty containers in a landfill in accordance with current Local, State and Federal regulations. Do not contaminate water sources by cleaning of equipment or disposal of waste.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DREXEL DYNAPHITE™ 0-28*-26

SECTION 1: MATERIAL IDENTIFICATION

Product Name: **Drexel Dynaphite™ 0-28*-26 Foliar Phosphite Nutrient**
Product Usage: Phosphite Fertilizer
*CA use only

Manufacturer: Drexel Chemical Company
Address: 1700 Channel Avenue
PO Box 13327
Memphis, Tennessee, 38113-0327, USA
901-774-4370

Emergency Telephone Numbers:	CHEMTREC	800-424-9300
	DREXEL CHEMICAL COMPANY	901-774-4370

SECTION 2: HAZARD IDENTIFICATION

(As defined by the OSHA Hazard Communication Standard, 29)

Label Elements:
Signal Word:

WARNING

Classifications:
Hazard Class:

Toxicity Study:	**Category:**
Acute Toxicity, Oral	Category 4
Skin corrosion/ irritation	Category 2
Serious eye damage /irritation	Category 2B

Hazard Statements:

H Code:	**Statement:**
H302	Harmful if swallowed
H315	Causes skin irritation
H320	Causes eye irritation

Precautionary Statements:
Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
In case of inadequate ventilation, wear respiratory protection.
Avoid release into the environment.

Response:
If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get immediate medical advice/attention.
If Swallowed: Call a POISON CENTER or doctor/physician if you feel unwell. Treat symptomatically.
If Inhaled: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER or doctor if you feel unwell.
If on Skin or Clothing: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
If exposed or concerned: None available, get medical attention.

Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal:	Dispose of contents/container in accordance with your local or area regulatory authorities.
Specific hazards:	None available.

SECTION 3: COMPOSITION INFORMATION

Chemical Name:	Synonym:	CAS No.:	EC No.:	RTECS:	% By Wt.:
Active Ingredient:					
Potassium phosphite mixture	Proprietary	N/A	N/A	N/A	100.0 %
Available phosphoric acid (P_2O_5): 28.0 %					
Soluble potash (K_2O): 26.0 %					

SECTION 4: FIRST-AID MEASURES

Have the product container, label and / or Safety Data Sheets (SDS) with you when calling a poison control center or doctor or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency medical treatment information.

Eye Contact:	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If Swallowed:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Skin/Clothing Contact:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Indication of Medical Attention and Special Treatment Needed:	Treat symptomatically. If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

SECTION 5: FIRE FIGHTING MEASURES

Fire Fighting Media:	Water Spray, Foam Solution, Dry Chemical.
Fire Fighting Procedures:	Keep people away. Isolate fire and deny unnecessary entry. Evacuate the area and fight the fire from upwind at a safe distance to avoid hazardous vapors or decomposition products. Cool containers with water if possible. Dike and collect fire-extinguishing water to prevent environmental damage and excessive waste runoff.
Special Protective Equipment for Firefighters:	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Use full face shield and operate in positive pressure mode. Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Specific Fire Hazards: Do not breathe vapor/ mist/ spray.

Flammability classification (OSHA 29 CFR 1910.1200): N/Av
Flash point: >200°F
Lower flammable limit (% by volume): N/Av
Upper flammable limit (% by volume): N/Av

Hazardous Combustion Products: None known / Not established.

National Fire Protection Association:

NFPA:	Health	Fire	Reactivity
	1	1	0

Ratings: **4-Extreme** **3-High** **2-Moderate** **1-Slight** **0-Insignificant**

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to SECTION 7: HANDLING AND STORAGE, for additional precautionary measures. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION.

Environmental Precautions:

Prevent from entering soil, ditches, sewers, waterways and/or groundwater. Refer to SECTION 12: ECOLOGICAL INFORMATION.

Steps to be taken if Material is Released or Spilled:

Control the spill at its source.

Small spills: Stop the flow of material, if this is without risk. Apply suitable absorbent and sweep up. Collect in suitable and properly labeled containers. Prevent entry into waterways, sewers, basements or confined areas.

Large spills: Stop the flow of material, if this is without risk. Apply suitable absorbent and sweep up. Collect in suitable and properly labeled containers. Contact Drexel Chemical Company for clean-up assistance. Refer to SECTION 13: DISPOSAL CONSIDERATIONS, for additional information. Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7: HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN

Handling: **General Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not swallow. Avoid breathing dust. Avoid breathing vapors. Use with adequate ventilation. Wear chemical protective equipment when handling. Wear long-sleeved shirt, long pants and shoes with socks when handling. Keep away from heat, sparks and flame. Refer to SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION.

Storage: Store in a cool, dry, ventilated and secure area designated specifically for pesticides and away from heat sources. Keep in original containers and keep containers closed when not in use. Do not store in excessive heat. Do not store near children, food, foodstuffs, drugs or potable water supplies.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Components:	OSHA PEL	ACGIH TLV
Potassium phosphite mixture	N/A	10 mg/m^3

THIS SECTION IS FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD REFER TO THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

Engineering Controls:

Ventilation: Investigate engineering techniques to reduce exposures. When handling this product proper ventilation is required to maintain exposure below the TLV. Ventilate all transport vehicles prior to unloading. Facilities storing or utilizing this material should be equipped with an eyewash facility / station and safety shower. Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal Protection:

Eye/Face Protection: Eye contact should be avoided through the use of chemical safety glasses, goggles, or a face shield selected in regard to exposure potential. Wear chemical splash goggles to prevent vapors or mists from entering the eyes. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields.

Ingestion: Avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area; wash hands and face thoroughly with soap and water before smoking or eating. Avoid getting wash water in eyes.

Hand Protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene, Nitrile/butadiene rubber ("nitrile" or "NBR") or Viton, Polyvinyl chloride ("PVC" or "vinyl"). The selection of gloves for a particular application and duration of use in the workplace should also be taken into account all relevant workplace factors such as, but not limited to: other chemicals which may be handled, physical requirements (cut/ puncture protection, dexterity, thermal protection), potential body reactions to gloves materials, as well as the instructions / specs provided by the supplier of gloves.

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. When handling in enclosed areas, when large quantities of dusts are generated or prolonged exposure is possible in excess of the TLV, use a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Reported Value
Physical State	Liquid
Appearance / Color	Colorless
Odor	Mild Odor
Odor threshold	Not available
pH	7.0 – 7.5
Melting point	Not available
Freezing point	<20°F

Boiling point	>212°F
Flash point	>200°F
Evaporation rate	Not available
Flammability	Not available
Upper flammability/explosive limits	Not available
Lower flammability/explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	12.50 lbs. / gal.
Solubility in water	Complete in water
Solubility in organic solvents	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available
Dissociation Constant	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Thermally stable at typical use temperatures and in closed containers.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid extreme temperatures and strong acids.
Incompatible Materials:	Caustic soda, chlorates, nitrates, carbides, mild steel, aluminum alloy, brass, tin, galvanized metal.
Hazardous Decomposition Products:	Oxides of phosphorus.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Potential routes of exposure/potential health effects:		Eye contact, Skin contact, Ingestion
Acute Oral:	**LD_{50} (Rat):**	No data available
Acute Dermal:	**LD_{50} (Rat):**	No data available
Acute Inhalation:	**LC_{50} (Rat):**	No data available
Eye Irritation:	**(Rabbit):**	No data available
Skin Irritation:	**(Rabbit):**	No data available
Skin Sensitization:	**(Guinea Pig):**	No data available

Chronic Toxicity: No data available

Carcinogenicity: No data available

Mutagenicity: No data available

Teratogenicity: No data available

Reproductive Toxicity: No data available

Developmental Toxicity: No data available

Specific target organ toxicity- single exposure: No data available / Not classified

Specific target organ toxicity- repeated exposure: No data available / Not classified

Other Hazards Effects: No data available

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE

Potassium phosphite mixture		No data available/ Not established

ECO-ACUTE TOXICITY

Aquatic Toxicity:	**Rainbow trout, LC_{50} 96 hour**	No data available
	Fathead minnow LC_{50}	No data available
	Daphnia magna, LC_{50} 48 hour	No data available
Arthropod Toxicity:	**Bees, Acute LD_{50}**	No data available
Bird Toxicity:	**Mallard Duck, LD_{50}**	No data available
	Bobwhite Quail, LD_{50}	No data available
Algal Toxicity:	**Algae, LC_{50} 96 hour**	No data available
Soil Organism Toxicity:	**Earthworm acute toxicity**	No data available

Persistence and degradability: No data available / Not established
Bioaccumulation: No data available / Not established
Mobility in soil: No data available / Not established
Other adverse effects: Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

SECTION 13: DISPOSAL CONSIDERATIONS

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated
IMDG: Not Regulated
IATA / ICOA: Not Regulated

UN Identification No.: Not applicable
Proper Shipping Name: Not applicable
Hazard Class: Not applicable
Packing Group: Not applicable
Reportable Quantity: Not applicable
Environmental Hazard: Not applicable
Freight Description: Agricultural Spray Fertilizer, Liquid, N.O.S.
ERG Guide No.: 171
Transport Information Note: Not applicable

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard: **This product is a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR1910.1200.**

Label Signal Word: WARNING
Label Information: KEEP OUT OF REACH OF CHILDREN
Label Information: Hazards to Humans and Domestic Animals
WARNING: Causes skin and eye irritation. Harmful if swallowed. Do not get on skin, in eyes or on clothing. Take off contaminated clothing and wash before reuse. If swallowed, call poison center, doctor/physician if you feel unwell. Do not eat, drink, or smoke when using this product. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco or using the toilet. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or compatibility agents, follow the FIRST AID and Precautionary Statements on the product's labeling.

EPCRA SARA Title III Classification:

Section 302:	Extremely Hazardous Substance Notification:	This material is not known to contain any Extremely Hazardous Substances.
Sections 311 and 312:	Immediate (Acute) Health Hazard:	Yes
	Delayed (Chronic) Health Hazard:	No
	Fire Hazard:	No
	Reactive Hazard:	No
	Sudden Release of Pressure Hazard:	No

Section 313 Toxic Release Inventory (TRI): This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

CERCLA/SARA 304 Reportable Quantity (RQ): Not listed / Not available

RCRA Hazardous Waste Classification (40 CFR 261): Not listed / Not available

US EPA Toxic Substances Control Act (TSCA): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

Potassium phosphite mixture	Listed as causing:	Not listed
	Listing date:	Not listed
	Listing basis:	Not listed

This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

International Inventories

TSCA:	Complies
EINECS/ELINCS:	Complies
ENCS:	Complies
IECSC:	Complies
KECL:	Complies
PICCS:	Complies
AICS:	Complies

SECTION 16: OTHER INFORMATION

Date Issued: May 26, 2020	**Date Supersedes:** September 18, 2015	**Revision:** 0
For all non-emergency questions about this product, please contact:	1700 Channel Avenue PO Box 13327 Memphis, Tennessee 38113-0327, USA	Phone: 901-774-4370 Fax: 901-774-4666 Website: www.drexchem.com

Drexel Chemical Company recommends that each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.

California (CA) use only