



Finding New Ways to Improve the
Treatment of Trees and Plants.

SAFETY DATA SHEET

PRODUCT NAME: **Dry Phite Fertilizer**

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTOR: Quest Products Corporation
ADDRESS: 23611 Linwood Road (K-32)
Linwood, KS 66052
PHONE: (785)-542-2577

EMERGENCY CHEMTREC PHONE - US & Canada: 1-800-424-9300

CHEMICAL NAME: Dry Phite Fertilizer
CHEMICAL FAMILY: Fertilizer
CHEMICAL FORMULA: Proprietary mixture

PRODUCT USE: Fertilizer

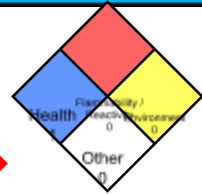
SECTION 2: HAZARDS IDENTIFIED

SECTION 1 NOTES: None

GHS Ratings:

Signal Word: WARNING

Product dust may cause eye, skin and respiratory irritation. This product contains crystalline silica which is known to cause cancer, birth defects and other reproductive harm to humans when exposed to above-permissible levels.



GHS Hazards

H303 – May be harmful if swallowed.
H311 – Harmful if inhaled.
H316 – Causes mild skin irritation.
H320 – Causes eye irritation.
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H350 – May cause cancer.

GHS Precautions

P101 – If medical advice is needed, have product container or label at hand.
P102 – Keep out of reach of children.
P103 – Read label before use.
P260 – Do not breathe dust.
P262 – Do not get on eyes, on skin or on clothing.
P264 – Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P280 – Wear protective gloves, protective clothing and eye protection.
P284 – [In case of inadequate ventilation] wear respiratory protection.
P301+312 – IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

SECTION 3: COMPONENT INFORMATION

INGREDIENT	CAS NO.	ACGIH TLV	OSHA PEL	% WT
Calcined Montmorillonite Clay	70892-59-0	10mg/m ³	5mg/m ³	Proprietary
Crystalline Silica (Quartz)	14808-60-7	0.1mg/m ³	5mg/m ³ /%SiO ₂ +2	Proprietary
Crystalline Silica (Cristobalite)	14464-46-1	0.05mg/m ³	5mg/m ³ +%SiO ₂ +2	Proprietary

Potassium Phosphite Fertilizer (proprietary blend of ingredients)
Proprietary Formulation Ingredients 100%

SECTION 3 NOTES: Product does NOT contain any pesticides or pest control agents. If Chemical Name/CAS Number is listed as "Proprietary" and/or the Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **This product contains sand, clay and decomposed organic matter.** The crystalline silica (quartz) content naturally varies depending on the composition of the soil. These materials are mined from the earth. Trace amounts of naturally occurring elements might be detected during chemical analysis of these materials.

CARCINOGENICITY

OSHA: Yes ACGIH: Yes NTP: Yes IARC: Yes OTHER: Unknown

SECTION 4: FIRST AID MEASURES

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

Have this SDS to provide for medical personnel when calling a poison control center, doctor, or going for treatment, if able. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do so, after the first 5 minutes - then continue rinsing. If irritation develops or persists, seek medical advice or attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing, wash before reuse. Wash skin with plenty of soap and water. Seek medical advice/attention if irritation develops or persists.

IF SWALLOWED: DO NOT INDUCE VOMITING. Call a poison control center immediately. Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able.

IF INHALED: Remove to fresh air and ventilate suspected area. Keep at rest in a position comfortable for breathing. Seek medical attention if difficulty breathing develops, condition declines, or symptoms persist.

SECTION 4 NOTES: May cause eye, skin respiratory tract and gastrointestinal irritation or distress.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT °C:	Not applicable.
IN CASE OF FIRE:	Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer, or ordinary) for large fires.
SPECIAL FIRE FIGHTING PROCEDURES:	Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area. Contain all liquid runoff, ensure liquid does not enter drains. Dispose of runoff following all federal, state and local regulations.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Do not use water or foam directly on the fire.
HAZARDOUS COMBUSTION PRODUCTS:	When ignited, emits toxic fumes.
SECTION 5 NOTES:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Stop the source of the spill immediately if it safe to do so. Ventilate the affected area. Wear protective clothing as described in Section 8 of this SDS. Avoid runoff into storm sewers and ditches which lead to waterways. Material should be collected and disposed in proper manner.
CLEAN-UP MEASURES:	Follow federal, state and local regulations for liquid and solid waste disposal. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state and local regulations. Wear suitable protective equipment.
SECTION 6 NOTES:	Do not breathe dust. Do not get in eyes, on skin or on clothing. See section 1 for CHEMTREC emergency phone number. See Section 12 for additional Ecological Information.

SECTION 7: HANDLING AND STORAGE

HANDLING	Keep out of reach of children. Read label before use. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Avoid direct contact with substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid breathing spray mist. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Wear protective gloves, protective clothing, eye protection and face protection.
STORAGE:	Store in a cool, dry, 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.
SECTION 7 NOTES:	INCOMPATIBLE MATERIALS – Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION


END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.


EXPOSURE GUIDELINES: **OSHA PEL** **ACGIH TLV**

Crystalline Silica (quartz) dust - 5mg.m³/%SiO₂+2 0.1mg/m³
 Crystalline Silica (Cristobalite) dust - 5mg.m³/%SiO₂+2 0.05mg/m³

VENTILATION: Ensure all indoor spaces are well-ventilated. Outdoor use should be satisfactory.

RESPIRATORY PROTECTION: Wear a NIOSH/OSHA approved respirator, approved for use with propionic acid, if dust generated is above permissible exposure levels.

EYE PROTECTION: Safety glasses with side shields as described by OSHA's eye and face protection regulations in 29CFR 1910.133. 

SKIN PROTECTION: Wear impervious protective clothing, long pants and long-sleeved shirt, waterproof gloves (including socks and boots), lab coat, apron or coveralls, as appropriate – to prevent skin contact. 

OTHER PROTECTIVE CLOTHING/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:	Red/Brown Granule	VAPOR PRESSURE (mmHg):	@ N/A F: N/A C: N/A
ODOR:	Earthy	VAPOR DENSITY (AIR = 1):	@ N/A F: N/A C: N/A
ORDER THRESHOLD;	Undetermined		
PHYSICAL STATE:	Solid	SPECIFIC GRAVITY:	0.881
pH AS SUPPLIED:	Not Determined	EVAPORATION RATE:	N/A
INITIAL BOILING POINT:	F: N/A - Solid C: N/A - Solid	BASIS (butyl acetate=1):	
BOILING POINT RANGE:	F: N/A - Solid C: N/A - Solid	SOLUBILITY IN WATER:	Soluble
MELTING POINT:	F: Not Determined C: Not Determined	PARTITION COEFFICIENT (n-octanol/water):	No Data Available
FREEZING POINT:	F: Not Determined C: Not Determined	AUTO-IGNITION TEMPERATURE:	Not Determined
METHOD USED:	N/A		
FLASH POINT:	F: Not Determined C: Not Determined		
FLAMMABILITY (solid, gas):	Not Determined	DECOMPOSITION TEMPERATURE:	Not Determined
FLAMMABLE LIMITS:	Not Determined		
BULK DENSITY:	55lbs/ft ³	VISCOSITY:	Non-viscous

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.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO MAINTAIN STABILITY: Store in a cool, dry, well-ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep only in original container.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong bases, strong oxidizing agents, unsaturated organic compounds (e.g. turpentine, vegetable oil, hydrofluoric acid, etc)

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known based on information supplied.

HAZARDOUS POLYMERIZATION: Burning may release oxides of phosphorus and/or ammonia.

CONDITIONS TO AVOID (POLYMERIZATION): Extreme heat.

SECTION 10 NOTES: None.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: May be harmful if swallowed. May harm mucosal membranes.

ACUTE DERMAL TOXICITY: Prolonged contact may cause redness and/or irritation.

ACUTE INHALATION TOXICITY: Harmful if inhaled. Avoid breathing in dust.

EYE DAMAGE / IRRITATION: Direct contact with eyes will cause temporary irritation.

SKIN CORROSION: Not corrosive to the skin.

RESPIRATORY SENSITIZATION: May cause allergy or asthma symptoms or breathing difficulties if dust is inhaled.

CARCINOGENITY: Known to be carcinogenic.

COMPONENT INFORMATION: **Crystalline Silica (Quartz)** **Crystalline Silica (Cristobalite)**

NTP Carcinogen:	Known – YES Anticipated – YES	Known – YES Anticipated – YES
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IARC Category:	GROUP 1	GROUP 1
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SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not apply directly to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

COMPONENT INFORMATION: **Calcined Montmorillonite Clay (CAS# 70892-59-0)**
Crystalline Silica (Quartz) (CAS# 14808-60-7)
Crystalline Silica (Cristobalite) (CAS# 14464-46-1)

MOBILITY: Not Determined.

PERSISTENCE/DEGRADABILITY: Not Determined.

BIOACCUMULATION: Not Determined

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 federal, state and local regulations.
CONTAINER DISPOSAL:	Non-refillable container. Do not reuse or refill this container.
RCRA HAZARD CLASS:	Not subject to RCRA Subtitle C regulation
CALIFORNIA HAZARDOUS WASTE STATUS:	Not listed and not subject to CEPA hazardous waste regulation.
SECTION 13 NOTES:	None

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Description:	Not Regulated.
U.S. Surface Freight Classification:	NMFC 33542, class 50 (Solid). Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.
OTHER AGENCIES:	None.
SECTION 14 NOTES:	Please see current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes (Delayed) **Chronic Health Hazard:** Yes **Fire Hazard:** No
Sudden Release of Pressure Hazard: No **Reactive Hazard:** No

<u>Ingredient</u>	<u>SARA 302</u>		<u>SARA 313</u>		<u>CERCLA</u>	<u>RCRA</u> <u>261.33</u>	<u>TCSA</u> <u>8 (d)</u>
	<u>RQ</u>	<u>TPQ</u>	<u>LIST</u>	<u>CATALOG</u>			
Calcined Montmorillonite Clay	NO	NO	NO	NO	NO	NO	NO
Crystalline Silica (Quartz)	NO	NO	NO	NO	NO	NO	NO
Crystalline Silica (Cristobalite)	NO	NO	NO	NO	NO	NO	NO

California Proposition 65

This product does contain ingredients, which are known to the state of California to cause cancer, birth defects, or other reproductive harm. Crystalline Silica (quartz) CAS# 14808-60-7 and Crystalline Silica (cristobalite) CAS# 14464-46-1.

SECTION 15 NOTES: The product or all its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act (TSCA)

SECTION 16: OTHER INFORMATION

DATE OF PREPARATION/LAST REVISION: June 24th, 2024

OTHER INFORMATION:

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC, and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

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