



FBSCIENCES INC

Safety Data Sheet

Phosron Soil 7-21-0 +1%Zn

SECTION 1: Identification

Product identifier

Product name Phosron Soil 7-21-0 +1%Zn

Product number FBS 1152

Other means of identification

Phosron Soil +1% Zn

Recommended use of the chemical and restrictions on use

Fertilizer

Supplier's details

Name FBSciences Inc
Address 153 North Main Street Suite 100
Collierville TN 38017
USA

Telephone 901-221-1200

Emergency phone number(s)

CHEMTREC 1-800-424-9300

SECTION 2: Hazard identification

Classification of the substance or mixture

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

- Eye damage/irritation (C.4.5), Cat. 2B

GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

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Hazard statement(s)

H320 Causes eye irritation

Precautionary statement(s)

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

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Ammonium Polyphosphate

Concentration 50 - 75 % (weight)*
CAS no. 68333-79-9

- Eye damage/irritation (C.4.5), Cat. 2B

2. Zinc sulfate monohydrate

Concentration 1 - 5 % (weight)*
CAS no. 7446-19-7

Trade secret statement (OSHA 1910.1200(i))

* Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Get medical advice/attention if you feel unwell.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.

Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

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If swallowed

Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Most important symptoms/effects, acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation : May cause difficulty breathing.

Symptoms/injuries after skin contact : May cause slight irritation to the skin.

Symptoms/injuries after eye contact : Causes irritation, redness, and tearing.

Symptoms/injuries after ingestion : Ingestion may cause nausea and vomiting. If swallowed, rinse mouth with water (only if the person is conscious).

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

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

Specific hazards arising from the chemical

No data available.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

Ensure good ventilation of the work station. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

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Incompatible products : Strong acids. Strong bases.
Incompatible materials : Direct sunlight. Sources of ignition.

Specific end use(s)
No data available.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Ammonium Polyphosphate (CAS: 68333-79-9)
Not Applicable (ACGIH)

Appropriate engineering controls
Ensure good ventilation of the work station.

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

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

Skin protection
Handle with protective gloves that are impervious to the chemical substance.

Respiratory protection
In case of insufficient ventilation, wear A NIOSH certified respirator with APF>10, in accordance with OSHA respirator regulations found in 29 CFR 1910.134.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid Color: Black to Brown
Odor	slight
Odor threshold	No data available.
pH	6-8
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.

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Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available.

Conditions to avoid

High temperatures.

Incompatible materials

Zinc clad and copper bearing alloys. Strong acids. Strong bases.

Hazardous decomposition products

Oxides of carbon, oxides of nitrogen, oxides of ammonia, and oxides of phosphorus.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ammonium Polyphosphate (68333-79-9)

LD50 oral rat 5625 mg/kg (Rat)

LD50 dermal rabbit > 3160 mg/kg (Rabbit)

ATE US (oral) 5625 mg/kg bodyweight

Skin corrosion/irritation

No data available

Serious eye damage/irritation

pH: ≈ 6.5

Causes eye irritation.

Respiratory or skin sensitization

Symptoms/injuries after inhalation : May cause difficulty breathing.

Symptoms/injuries after skin contact : May cause slight irritation to the skin.

Symptoms/injuries after eye contact : Causes irritation, redness, and tearing.

Germ cell mutagenicity

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No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

The product is not considered harmful to aquatic organisms nor to 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

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Disposal of contaminated packaging

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Dispose in a safe manner in accordance with local/national regulations

Waste treatment

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal

Prevent liquid from entering sewers, watercourses, underground or low areas.

Other disposal recommendations

No data available.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

Canadian Domestic Substances List (DSL)

Chemical name: Sulfuric acid, zinc salt (1:1), monohydrate

CAS: 7446-19-7

Toxic Substances Control Act (TSCA) Inventory

Not listed on the United States TSCA (Toxic Substances Control Act) inventory.

HMIS Rating

Health	1
Flammability	0
Physical hazard	0
Personal protection	

NFPA Rating

Health hazard	1
Fire hazard	0
Reactivity hazard	0
Special hazard	

SECTION 16: Other information

Further information/disclaimer

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The directions for use of this product are believed to be adequate and must be followed carefully. The use of this product is beyond the control of the manufacturer, and, therefore, to the extent consistent with applicable law, no warranty, representation, or guarantee of any kind, expressed or implied, is made as to the effects of such use or any results obtained if not used in accordance with printed directions and established safe practice or if unusual or extraordinary weather conditions occur. To the extent consistent with applicable law, the buyer's exclusive remedy and manufacturer's or seller's exclusive liability in tort or otherwise, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed.

The information and recommendations contained herein are based upon data believed to be correct. However, there is no guarantee or warranty of any kind expressed or implied made with respect to the information contained herein.