



Your Source for Growth

SOURCE TO SOURCE

Safety Data Sheet Phloem Go

SECTION 1: Identification

1.1 Product identifier

Product name Phloem Go

1.4 Supplier's details

Name Source to Source
Address 3233 South I Street
Tulare, CA 93274
United States

Telephone 866.727.4572

1.5 Emergency phone number(s)

1.800.424.9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Eye damage/irritation (chapter 3.3), Cat. 2
- Skin corrosion/irritation (chapter 3.2), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H315
H319

Causes skin irritation
Causes serious eye irritation

Precautionary statement(s)

P264
P280

Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

Phloem Go

P302+P352
P305+P351+P338

P321
P332+P313
P337+P313
P362+P364

IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Specific treatment, see supplemental first aid information.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Other names / synonyms Phloem Go, a foliar fertilizer

Hazardous components

1. Phosphoric acid liquid

Concentration	1.4325 - 1.91 % (Volume)
EC no.	231-633-2
CAS no.	7664-38-2
Index no.	015-011-00-6

- Skin corrosion/irritation (chapter 3.2), Cat. 1B

H314 Causes severe skin burns and eye damage

2. UREA

Concentration	4.5 - 4.5 % (volume)
CAS no.	57-13-6

- Skin irritation (chapter 3.2), Cat. 2
- Eye irritation (chapter 3.3), Cat. 2B
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

3. proprietary blends of organic acids

Concentration	53.27 - 53.27 % (Volume)
---------------	--------------------------

4. Potassium carbonate

Concentration	1.42 - 2 %
CAS no.	584-08-7

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

Safety Data Sheet

Phloem Go

If inhaled	Move victim to fresh air. Administer oxygen if breathing is difficult. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Give artificial respiration if victim is not breathing. Get medical attention if symptoms occur.
In case of skin contact	For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if symptoms occur.
In case of eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
If swallowed	If swallowed, rinse mouth with water (only if the person is conscious) Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Obtain medical attention immediately if ingested.

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

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

LARGE FIRES: Dry chemical, CO₂, alcohol-resistant foam or water spray.

SMALL FIRES: Dry chemical, CO₂ or water spray.

5.2 Specific hazards arising from the chemical

Unusual Fire and Explosion Hazards

- Containers may explode when heated.

Hazardous Combustion Products

- Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

5.3 Special protective actions for fire-fighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Wear positive pressure self-contained breathing apparatus (SCBA).

SMALL FIRES: Move containers from fire area if you can do it without risk.

Further information

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

SECTION 6: Accidental release measures

Safety Data Sheet

Phloem Go

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Do not walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Do not get water inside container.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Cautiously neutralize spilled liquid. Absorb remaining liquid in sand or inert absorbent and remove to safe place.

LARGE SPILLS: Dike far ahead of spill for later disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours and/or spray. Do not get in eyes or on skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from incompatible materials. Store locked up. Keep container/package tightly closed in a cool, well-ventilated place. Ventilate enclosed areas.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Phosphoric acid (CAS: 7664-38-2)

PEL (Inhalation): 1 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

2. Phosphoric acid (CAS: 7664-38-2)

PEL (Inhalation): 1 mg/m³, (ST) 3 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

3. Phosphoric acid (CAS: 7664-38-2)

REL (Inhalation): 1 mg/m³, (ST) 3 mg/m³ (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

Safety Data Sheet

Phloem Go

Skin protection

Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

Respiratory protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Environmental exposure controls

Follow best practice for site management and disposal of waste.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	golden, dark brown
Odor	sweet
Odor threshold	Not Available
pH	5.43
Melting point/freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash point	Not Available
Evaporation rate	Not Available
Flammability (solid, gas)	Not Available
Upper/lower flammability limits	Not Available
Upper/lower explosive limits	Not Available
Vapor pressure	Not Available
Vapor density	Not Available
Relative density	Not Available
Solubility(ies)	100%
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

Other safety information

Specific Gravity: 1.122

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Incompatible materials. Excess heat.

10.5 Incompatible materials

Safety Data Sheet

Phloem Go

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Phosphoric acid liquid

LD50 Oral - Rat - 1.25 g/kg

Result: Acute pulmonary edema; Liver: Changes in liver weight

Potassium carbonate

LD50 Oral - Rat - 1870 mg/kg

Potassium carbonate

TCLo Oral - Rat - 43 mg/m3 - 17 weeks

Result: Cardia: EKG changes not diagnostic of above; kidney, ureter, and bladder: other changes in urine composition; nutritional and gross metabolic: changes in Chemistry or Temperature: K

UREA

LD50 Oral - Rat - 8471 mg/kg - 24 hours

Result: Irritation: Skin Human 20% 24 Hours - Moderate Irritation.

UREA

TCLo Oral - Rat - 821 g/kg - 1 year continuous

Result: Tumorigenic: neoplastic by RTECS criteria; BLOOD: Tumors; BLOOD: Lymphoma, including Hodgkins disease

Skin corrosion/irritation

Skin irritation 2

Serious eye damage/irritation

Eye Irritation 2

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

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

Safety Data Sheet

Phloem Go

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Additional information

No data available

SECTION 12: Ecological information

Toxicity

Material data lacking.

Persistence and degradability

Material data lacking.

Bioaccumulative potential

Material data lacking.

Mobility in soil

Material data lacking.

Other adverse effects

No studies have been found.

SECTION 13: Disposal considerations

Disposal of the product

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Disposal of contaminated packaging

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

DOT (US)

UN Number: 1805

Class: 8

Packing Group: III

Proper Shipping Name: Phosphoric Acid Solution

Reportable quantity (RQ): 5000 lbs final RQ; 2270 kg final RQ

Marine pollutant:

Poison inhalation hazard:

SECTION 15: Regulatory information

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

Massachusetts Right To Know Components

Chemical name: Phosphoric acid

Safety Data Sheet

Phloem Go

CAS number: 7664-38-2

New Jersey Right To Know Components

Common name: PHOSPHORIC ACID

CAS number: 7664-38-2

SECTION 16: Other information

16.1 Further information/disclaimer

Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.