



SAFETY DATA SHEET

Section 1: Identification

1.1 Product identifier:

Foliar Supreme 0-16-10

Other means of Identification:

Not available

1.2 Recommended use:

Identified uses:

Agricultural fertilizer.

Restrictions on use:

None known. Read the label before using.

1.3 Supplier:

OMEX Agriculture Inc.

290 Agri Park Road

Oak Bluff, MB, Canada

R4G 0A5

Web address: www.omexcanada.com

(204) 477-4052

1.4 Emergency telephone number (24-hour):

Poison Control Center: Call 911 or the regional Poison Control Center

Canadian Association of Poison Control Centers, provincial telephone numbers at: www.capcc.ca

Section 2: Hazard Identification

2.1 Classification:

Not classified under any hazard class.

2.2 Label elements:

Not classified

2.3 Other hazards:

May cause mild eye and skin irritation.

Section 3: Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt.%</u>
Available Phosphate (P ₂ O ₅) from Monopotassium phosphate	7778-77-0	16
Soluble Potash (K ₂ O) from Monopotassium phosphate	7778-77-0	10
Sulfur from elemental sulfur	7704-34-9	30
Non-hazardous Fertilizer salts and inert ingredients	Not available - mixture	44

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Section 4: First-Aid Measures

4.1 Description of first-aid measures:

Inhalation: If symptoms develop move victim to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If irritation persists, get medical attention.

Skin Contact: Rinse skin with plenty of water. If irritation persists, get medical attention.

Ingestion: If exposed or concerned, call a POISON CENTER or doctor for treatment advice. Do not induce vomiting unless directed to do so by the poison center or doctor.

Canadian Poison Control Centers telephone numbers are available at: www.capcc.ca/en/content/provincial-centres

4.2 Most important symptoms and effects, acute and delayed:

Inhalation: Breathing fertilizer spray or mist may cause nose and throat irritation.

Eye Contact: Contact with the liquid or spray may cause mild eye irritation. Symptoms of irritation include redness, tears and slight discomfort.

Skin Contact: Contact with the liquid may cause mild irritation. Symptoms of irritation may include mild discomfort, redness, dryness or cracking.

Ingestion: Low acute toxicity by the oral route. Swallowing causes nausea, vomiting, chills and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed:

Not available

4.4 Medical Conditions Aggravated by Exposure:

Skin contact may aggravate an existing dermatitis.

Section 5: Fire-fighting Measures

5.1 Extinguishing media:

Use extinguishing media appropriate for the surrounding fire (water spray, appropriate foam, dry chemical or carbon dioxide).

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the product:

Not flammable or combustible.

Product may burn if all of the water has evaporated or boiled away. Products of combustion may include toxic and corrosive sulfur dioxide and potassium oxide.

5.3 Special protective equipment and precautions for fire-fighters:

Firefighters should wear full protective gear including self-contained breathing apparatus when fighting chemical fires.

Any water runoff should be minimized and contained.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective gloves, clothing, boots and eye protection.

Stop the spill if safe to do so. Restrict access to the spill area.

6.2 Environmental precautions:

Prevent releases from going into drains, sewers and other waterways.

6.3 Methods and material for containment and cleaning up:

Collect the spilled liquid by pumping or using a suitable inert absorbent (e.g. sand, earth or other commercial absorbent product). Collect spilled material and contaminated absorbents and place in an appropriate container for reclamation or disposal. Clean the spill area with water.



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Section 7: Handling and Storage

7.1 Precautions for safe handling:

Read the label before using.
Avoid contact with eyes. Avoid contact with skin, particularly if skin has open cuts or sores.
Avoid breathing spray.
Wash hands after handling.

7.2 Conditions for safe storage:

Store in the original container and provide adequate protection from weather. Protect from freezing.
Keep storage containers closed when not in use and when empty. Do not reuse empty containers.
Do not contaminate water, food or feed by storage or disposal.

Section 8: Exposure Controls / Personal Protection

8.1 Control parameters:

Ingredient	ACGIH® TLV®	OSHA
Foliar Supreme Liquid agricultural fertilizer	None known	None known

8.2 Exposure controls:

Engineering controls: General ventilation is normally adequate.

8.3 Individual protection measures:

Eye/Face protection: Wear safety goggles.

Skin protection: Wear protective gloves, boots and body-covering clothing.

Respiratory protection:

In workplaces where airborne spray or mist concentrations exceed exposure limits, use a combination of engineering controls (e.g. ventilation) and personal protection (e.g. wear an approved respirator).

Other protection: Prevent the generation of airborne spray or mist.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid. Pale yellow suspension.
Odour:	Sulphur odour.
Odour threshold:	Not available
pH:	3.5
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not applicable, Not flammable.
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	Not applicable
Evaporation rate:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	1.5 (water=1)
Solubility (ies):	Soluble in water. (69%)
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not available
Viscosity:	Not available



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Section 10: Stability and Reactivity

10.1 Reactivity:

Not reactive

10.2 Chemical stability:

Stable at normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

Avoid prolonged exposure to high temperatures.

10.5 Incompatible materials:

Use caution when mixing this product with other agricultural chemicals. Some chemicals may be incompatible. Contact OMEX Agriculture Inc. for further information

10.6 Hazardous decomposition products:

Not available

Section 11: Toxicological Information

11.1 Information on toxicological effects:

Likely routes of exposure

Inhalation; Ingestion; Skin contact; Eye contact.

Acute toxicity

Inhalation: Data not available.

Ingestion: Acute toxicity estimate for the mixture, is greater than 5000 mg/kg in rat.

Skin: Not absorbed through the skin.

Acute toxicity data:

<u>Chemical Name</u>	<u>LD₅₀ Oral</u>	<u>LD₅₀ Dermal</u>	<u>LC₅₀ Inhalation 4-hour exposure</u>
Mono- and Di-Potassium salts of Phosphorus acid	>2 000 mg/kg (rat)	>5 050 mg/kg (rabbit)	>2.02 mg/L (rat)

Skin corrosion / irritation

Data not available

Serious eye damage / irritation

Data not available

STOT (Specific Target Organ Toxicity) – Single exposure

Data not available. Based on information for the component substances, over-exposure to mists/aerosols may be irritating to the nasal passages and upper respiratory tract.

STOT (Specific Target Organ Toxicity) – Repeated exposure

Repeated exposures to concentrated fertilizers by ingestion may cause adverse effects to the kidneys. Kidney damage was observed in dogs following administration of 800 mg/kg dipotassium phosphate in the diet for 14 to 38 weeks.

Aspiration hazard

Does not meet criteria for classification for aspiration toxicity.

Sensitization - respiratory and/or skin

Data not available.



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Carcinogenicity

This mixture does not contain any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists), OSHA (Occupational Safety and Health Administration) or NTP (National Toxicology Program).

Reproductive toxicity

Data not available

Germ cell mutagenicity

Data not available

Interactive effects

Data not available

Section 12: Ecological Information

12.1 Toxicity:

No ecotoxicity effects are expected.

Product will release plant nutrients Phosphorus and Potassium in aquatic environments. Plant nutrients cause algae growth which may increase turbidity and deplete oxygen resulting in a hazard to fish and other aquatic organisms.

12.2 Persistence and degradability:

Inherently bio-degradable.

12.3 Bioaccumulative potential:

Not applicable

12.4 Mobility in soil:

Data not available

Section 13: Disposal Considerations

13.1 Disposal methods:

Discard the empty container in household garbage. If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with municipal or provincial regulations where they apply. Contact local authorities for disposal of large quantities of product.

Do not contaminate water when disposing of rinsate or equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Section 14: Transport Information

14.1 Canada Transportation of Dangerous Goods (TDG) Regulations:

Not regulated

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Canada

WHMIS 2015 classification: Not classified in any WHMIS hazard class.

NSNR status: All ingredients are listed on the DSL or are not required to be listed.

USA

TSCA status: All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements.



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Section 16: Other Information

Revision date:

December 13, 2016

References and sources for data:

CCOHS Cheminfo
HSDB
NIOSH Pocket Guide

Legend to abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists
LD₅₀- Median lethal dose; the dose causing 50 % lethality
OSHA - Occupational Safety and Health Administration
TLV - Threshold Limit Value
WHMIS – Workplace Hazardous Materials Information System.

Additional information:

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