

# SAFETY DATA SHEET FARMER'S SECRET

## SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	Farmer's Secret
Product Use:	Agricultural Vinegar
Supplier Name and Address:	Corpack Canada 16 Seapark Drive, St. Catharines, ON L2M 6S6
Telephone:	: (905) 682-8888
Emergency Telephone:	: CANUTEC (613) 996-6666

## SECTION 2 - HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical State:</b>	Clear, colourless liquid
<b>GHS Classification:</b>	
Skin Irritation:	Category 1A
Eye Irritation:	Category 1
Acute Toxicity:	Category 4
<b>GHS Label Elements:</b>	
Hazard Pictograms	



Signal Word:	Danger
Hazard Statements:	H302+H312 Harmful if swallowed or in contact with skin H319 Causes serious eye irritation
Precautionary Statements:	<b>Prevention</b> P262 Do not get in eyes, on skin, or on clothing P280 Wear protective gloves/protective clothing/eye protection P284 In case of inadequate ventilation wear respiratory protection <b>Response</b> P332+P313 If skin irritation persists, get medical attention P391 Collect spillage
<b>Potential Health Effects:</b>	
Inhalation	: Symptoms of exposure may include: nasal discharge, hoarseness, coughing, chest pain and breathing difficulty. Accumulation of fluid in the lungs (pulmonary edema may occur)
Skin	: Causes burns. Harmful if absorbed through the skin. Symptoms of exposure may include: Redness or discoloration, swelling, itching, burning or blistering of skin. Prolonged or repeated contact may cause skin sensitization



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Eyes : Causes severe eye burns. May cause permanent eye damage. Symptoms of exposure may include: eye irritation, burning sensation, pain, watering and/or change of vision

Ingestion : Causes digestive tract burns. Symptoms of exposure may include: inflammation of mouth, throat, esophagus and/or stomach. Nausea, vomiting, loss of appetite, gastrointestinal irritation and/or diarrhea

Aggravated Medical Condition : None known

Symptoms of Overexposure : None known

### SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

#### HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]
Acetic Acid	64-19-7	10-20

### SECTION 4 - FIRST-AID MEASURES

**General Advice** : Move out of dangerous area  
Consult a physician  
Show this Safety Data Sheet to the doctor in attendance

**Inhalation** : Move victim to fresh air. Give artificial respiration only if breathing has stopped.  
Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical advice immediately.

**Skin Contact** : Remove contaminated clothing immediately. Wash exposed areas with copious amounts of running water. May be neutralized with sodium bicarbonate, epsom salts, or vinegar. Call a physician if necessary.

**Eye Contact** : Flush with running water for 20 minutes lifting the upper and lower eyelids occasionally. Remove contact lenses if present. If irritation persists, get medical attention.

**Ingestion** : Do not induce vomiting. If victim is alert and not convulsing, give 1-2 glasses of water to dilute material. Immediately contact local poison control centre. Vomiting should be induced under the direction of a physician or a poison control centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of liquid. Administer more water if necessary. Immediately transport victim to an emergency facility.

### SECTION 5 - FIRE-FIGHTING MEASURES

**Suitable extinguishing media** : Water fog, carbon dioxide, dry chemical



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**Specific hazards arising from the chemical** : Oxides of carbon and incomplete combustion products may be formed during combustion

**Special protective actions for fire-fighters** : None

**Additional advice** : None

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Wear appropriate protective equipment. Isolate for 800 meters or 0.5 miles in all directions if tank, rail car, or tank truck is involved in fire. Evacuate downwind areas as conditions warrant to prevent exposure and to allow vapours or fumes to dissipate. Spills may expose downwind areas to toxic or flammable concentrations over considerable distances in some cases

**Environmental precautions** : Prevent entry into sewers or streams. Dike if needed.

**Methods and materials for containment/cleaning up** : Eliminate all ignitions sources. Contain spill by diking. If fire potential exists, blanket spill with alcohol type aqueous film-forming foam or use water fog stream to disperse vapours. Neutralize the residue with sodium carbonate or crushed limestone. Absorb with an inert dry material and place in an appropriate waste disposal container.

**Additional advice** : None

### SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling** : Minimize exposure of this product to skin, respiratory system, and eyes

**Conditions for safe storage** : Store product in suitable labeled containers. Keep container closed when not in use

**Other data** : Rinse work area after use. Keep out of reach of children. Avoid contamination of food. Wash hands thoroughly after handling

### SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Control parameters** : None available

**Engineering Controls** : Normal building ventilation is adequate  
Ensure that eyewash stations and safety showers are close to the workstation location

**Personal Protective Equipment**

Eye/face protection : Safety glasses with side shields when there is potential for eye contact. Contact lenses should not be worn

Hand protection : Nitrile or rubber gloves are recommended

Skin protection : Protective coveralls or thick clothing that covers exposed skin

Respiratory protection : Suitable breathing mask if mists or vapors are present

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice  
When using do not eat or drink  
When using do not smoke  
Wash hands before breaks and at the end of the workday

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** : Clear, colourless liquid

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<b>Odor:</b>	: Strong vinegar
<b>Odor Threshold:</b>	: Not available
<b>pH:</b>	: 1-2
<b>Melting point/ freezing point:</b>	: 0 °C
<b>Initial boiling point and boiling range:</b>	: 100 °C
<b>Flash point:</b>	: >70 °C
<b>Evaporation rate:</b>	: Same as water
<b>Flammability (solid, gas):</b>	: UEL 16%, LEL 4%
<b>Upper/lower flammability or explosive limits:</b>	: Not available
<b>Vapour pressure:</b>	: Not available
<b>Vapour density:</b>	: Not available
<b>Relative density (g/mL):</b>	: 1.0
<b>Water solubility:</b>	: Miscible
<b>Solubility in other solvents:</b>	: Not available
<b>Partition coefficient: n-octanol/water:</b>	: Not available
<b>Auto-ignition temperature:</b>	: Not available
<b>Decomposition temperature:</b>	: Not available
<b>Viscosity:</b>	: As water

### SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	: Product is stable
<b>Chemical Stability</b>	: Stable under normal conditions
<b>Possibility of hazardous reactions</b>	: Hazardous polymerization will not occur
<b>Conditions to avoid</b>	: Do not mix with strong acids, oxidizing and reducing agents, chlorine bleach
<b>Incompatible materials</b>	: Not available
<b>Hazardous decomposition products</b>	: None

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Product Information**

Acute toxicity	: Not available
Skin Corrosion/ Irritation	: Not available
Serious eye damage/irritation	: Not available
Respiratory or skin sensitization	: Not available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Aspiration hazard	: Not available

**Toxicology Data for Ingredients**

**Acetic Acid**

Acute oral toxicity	: LD50 (oral; rat) 3310 mg/kg TLV 10ppm , LC50 (inhalation, mouse) 5620 ppm for 1 hour,
Skin irritation	: Not available
Eye irritation	: Not available
Sensitization	: Not available

### SECTION 12 - ECOLOGICAL INFORMATION

**Product Information:**



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Toxicity:	: The aquatic toxicity and biodegradation of acetic acid are expected to be influenced by its potential to lower pH
Persistence and degradability:	: Acetic acid will biodegrade readily if released to water (eg. 5-day BOD's 63-81%) or soil. The atmospheric photochemical degradation half-life is estimated to be 26.7 days
Bioaccumulative potential:	: The log n-octanol water partition coefficient for acetic acid is -0.17. This suggests that acetic acid has low potential to bioaccumulate
Mobility in soil:	: Not available
Other adverse effects:	: Not available
<b>Toxicology Data for Ingredients:</b>	
<b>Acetic Acid</b>	
Toxicity:	: LC50 (Lepomis macrochirus) 75mg/L LC50 (Pimephales promelas) 88 mg/L
Persistence and degradability:	: Not available
Bioaccumulative potential:	: Not available
Mobility in soil:	: Not available
Other adverse effects:	: Not available

### SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Product</b>	: Sanitary sewer or dry absorbent if available. For large quantities, contact local environmental department or government authorities Do not dispose in drains, waterways, or soil Do not contaminate ponds, or ditches with chemical or the used container
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### SECTION 14 - TRANSPORT INFORMATION

<b>UN Number</b>	: UN 2790
<b>UN Proper Shipping Name</b>	: ACETIC ACID SOLUTION
<b>Transport hazard class(es)</b>	: 8
<b>Packing group, if applicable</b>	: III
<b>Environmental hazards</b>	: Not applicable
<b>Special precautions for user</b>	: None
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	: Not applicable

### SECTION 15 - REGULATORY INFORMATION

No other special information is applicable

### SECTION 16 - OTHER INFORMATION

**Prepared by:** Technical Services  
**Telephone number:** (905) 682-8888

**Preparation date:** July 2018

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own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)