

January 11, 2017

Attn: Regulatory Manager  
COOPER FARMS - COOKED MEATS  
6793 US 127 NORTH  
Van Wert, OH 45891-  
USA

Dear Regulatory Manager:

REF: SDS UPDATE - PRODUCTS LIST

Following is the List of Products - Safety Data Sheets being sent to you for compliance with the Federal Hazardous Materials and SARA Act. Our Shipping Information indicated that these Products have been Shipped to your above stated Location.

PRODUCT NAMES:

Calcium Nitrate 70% Liquid

If you have any questions, please call (616) 361-6691, or e-mail Safety@havilandusa.com.

Thank you.

Sincerely,

Tyler Murray  
EHS Administrator

**HAVILAND PRODUCTS COMPANY**  
**SAFETY DATA SHEET**



**Haviland**  
POOL AND SPA PRODUCTS

**Section 1: Identification**

Product Name: Calcium Nitrate 70% Liquid Product Code: 05722

Haviland Products Company  
421 Ann Street NW  
Grand Rapids, MI 49504  
(616) 361-6691

**Emergency Phone**  
CHEMTREC (800) 424-9300  
CHEMTREC International (703) 527-3887

Product Use: Not available

Not recommended for: Any other uses

**Section 2: Hazard(s) Identification**

**GHS Ratings:**

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
Aquatic toxicity	A2	Acute toxicity > 1.00 but <= 10.0 mg/l

**GHS Hazards**

H302 Harmful if swallowed  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness  
H401 Toxic to aquatic life

**GHS Precautions**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 Wash face, hands, and any exposed skin thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P271 Use only outdoors or in a well-ventilated area  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P312 Call a POISON CENTER or doctor/physician if you feel unwell  
P330 Rinse mouth  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P304+P340 If inhales: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
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  
P405 Store locked up

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations

## Warning



### Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Calcium nitrate 10124-37-5 70 percent			

### Section 4: First-aid Measures

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

#### Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

#### Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

#### Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

### Section 5: Fire-fighting Measures

Flash Point: N/A

LEL:

UEL:

#### Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire.  
Not applicable, non-combustable.

#### Specific Hazards Arising from the Chemical

None known.

Move containers from fire area if you can do so without risk.

#### Special Protective Equipment and Precautions for Firefighters

**Special Information:** 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

### Spill and Leak Procedures

#### Small spills:

Wipe up with absorbant materials.  
Clean surface thoroughly to remove residual contamination.

#### Large spills:

Dike the spilled material, where this is possible.  
Cover with plastic sheet to prevent spreading.  
Prevent product from entering drains.  
Flush area with water.

## Section 7: Handling and Storage

### Handling Procedures

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.  
Observe good industrial hygiene practices.

### Storage Requirements

Store containers in a cool, dry, well ventilated place. Keep container closed when not in use.

Avoid release to the environment.

## Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Calcium nitrate 10124-37-5			

**ENGINEERING CONTROLS:** Provide ventilation sufficient to maintain exposure below the recommended limits.

Good general ventilation (typically 10 air changes per hour) 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.  
Provide eyewash station.

**RESPIRATORY PROTECTION:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

**SKIN PROTECTION:** Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots.

**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.

**OTHER PROTECTIVE EQUIPMENT:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**HYGENIC PRACTICES:** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors.  
Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

## Section 9: Physical and Chemical Properties

<b>Appearance:</b> Clear to slightly yellow	<b>Odor:</b> Odorless
<b>Vapor Pressure:</b> Not Available	<b>Odor threshold:</b> Not Available
<b>Vapor Density:</b> Not Available	<b>pH:</b> 6.0-7.0
<b>Density:</b> 12.34 lb/gal estimated	<b>Melting point:</b> Not Available
<b>Freezing point:</b> Not Available	<b>Solubility:</b> Not Available
<b>Boiling range:</b> Not Available	<b>Flash point:</b> Not Available
<b>Evaporation rate:</b> Not Available	<b>Flammability:</b> Not Available
<b>Explosive Limits:</b> Not Available	<b>Specific Gravity</b> 1.48 @ 15 Degrees C

<b>Autoignition temperature:</b> Not Available	<b>Decomposition temperature:</b> Not Available
<b>Viscosity:</b> Not Available	<b>Grams VOC less water:</b> Not Available

#### Section 10: Stability and Reactivity

##### Chemical Stability:

Material is stable under normal conditions.

STABLE

##### Incompatible Materials:

Acids. Combustable materials. Alkalies.

##### Conditions to Avoid:

Contact with incompatible materials.

##### Hazardous Decomposition Products:

No hazardous decomposition products are known.

##### Hazardous Polymerization

Hazardous polymerization will not occur.

#### Section 11: Toxicology Information

##### Mixture Toxicity

##### Component Toxicity

##### Routes of Entry:

Inhalation

Ingestion

Skin contact

Eye contact

##### Target Organs

##### Effects of Overexposure

##### CAS Number

##### Description

##### % Weight

##### Carcinogen Rating

#### Section 12: Ecological Information

##### Component Ecotoxicity

Calcium nitrate

96 Hr LC50 Lepomis macrochirus: 10000 mg/L [static]

#### Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

#### **Section 14: Transportation Informations**

Refer to Bill of Lading or container label for DOT or other transportation hazard classification, if any .

#### **Section 15: Regulatory Information**

All components are on the U.S. EPA TSCA Inventory List.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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#### **Section 16: Other Information**

##### **Hazard categories:**

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Date Prepared: 1/4/2017

Reviewer Revision

##### **Disclaimer**

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.