

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



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

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

Autoignition temperature: Not Available

Viscosity: Not Available

Decomposition temperature: Not Available

Grams VOC less water: 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.

Country

Regulation

All Components Listed

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.