



**THE ANDERSONS
SAFETY DATA SHEET**

DATE PREPARED: 01/13/14

CURRENT AS OF: 12/28/15

SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT NAME: Pure Cal

PRODUCT USE: Fertilizer

MFR INFO: The Andersons Upper Sandusky Facility
9841 County Highway 49
Upper Sandusky, Ohio 43351

FOR EMERGENCY: (800) 757-8951
FOR INFORMATION: (419) 891-2957

SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOLS / STATEMENTS:



WARNING

**MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION**

HAZARD CLASSIFICATIONS:

ACUTE TOXICITY

SKIN IRRITATION

EYE IRRITATION

TARGET ORGAN SYSTEMIC TOXICITY

CATEGORY

5

3

2B

3

INTERPRETATION

Low

Mild

Severe Eye Irritation Possible

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- *CALL A POISON CENTER / PHYSICIAN IF UNWELL*
- *IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE*
- *IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES*
- *IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE*
- *WASH HANDS AFTER HANDLING*
- *USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS*
- *AVOID BREATHING DUST*
- *IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING*
- *STORE CONTAINER TIGHTLY CLOSED*
- *DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS*

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY

SYNONYM

CAS NUMBER

CONCENTRATION (%)

Calcium nitrate trihydrate

15842-29-2

100.0

SECTION 4: FIRST AID MEASURES

| | |
|--------------------|--|
| IF INHALED: | Move victim to fresh air. Seek medical attention if irritation persists. |
| IF ON SKIN: | Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use. |
| IF IN THE EYES: | Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists. |
| IF SWALLOWED: | If victim is alert and not convulsing, give one glass of water to dilute material and induce vomiting. Seek immediate medical attention. |
| SPECIAL TREATMENT: | None known |
| HEALTH HAZARDS: | See Section 11 |

SECTION 5: FIREFIGHTING MEASURES

| | |
|----------------------------------|---|
| EXTINGUISHING MEDIA: | Use media suitable for surrounding fire. No special media required. |
| SPECIFIC FIRE HAZARDS: | Decomposition products may be toxic. |
| SPECIAL FIREFIGHTING PROCEDURES: | Wear full protective clothing and positive-pressure self-contained breathing apparatus. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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|-----------------------------|--|
| SPILL / RELEASE PROCEDURES: | Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly. |
| ENVIRONMENTAL PRECAUTIONS: | Prevent spilled material from entering storm drains or water bodies. |
| PROTECTIVE EQUIPMENT: | See Section 8 |

SECTION 7: HANDLING AND STORAGE

Store in a cool, dry, well ventilated area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

HAZARDOUS COMPONENT**OSHA PEL****ACGIH TLV**

Calcium nitrate trihydrate

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

| | |
|-------------------------|---|
| RESPIRATORY PROTECTION: | NIOSH approved particulate respirator, if required |
| EYE PROTECTION: | Safety glasses with sideshields, goggles, or faceshield recommended |
| SKIN PROTECTION: | Long sleeves, rubber gloves recommended |
| VENTILATION: | Local exhaust ventilation recommended |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------|---|
| APPEARANCE AND ODOR: | White crystals with no appreciable odor |
| pH: | 5.5 – 6.5 |
| MELTING POINT: | 51 C |
| BOILING POINT: | Not available |
| FLASH POINT: | Not flammable |
| EVAPORATION RATE: | Not applicable |
| FLAMMABLE LIMITS: | Not applicable |
| VAPOR PRESSURE: | Not applicable |
| VAPOR DENSITY: | Not applicable |
| BULK DENSITY: | 62 – 66 lbs/ft ³ |
| SOLUBILITY (IN WATER): | Soluble |
| PARTITION COEFFICIENT: | Not applicable |
| AUTOIGNITION TEMP: | Not applicable |
| DECOMPOSITION TEMP: | Not applicable |

SECTION 10: STABILITY AND REACTIVITY

| | |
|-----------------------------------|-------------------|
| STABILITY: | Product is stable |
| CONDITIONS TO AVOID: | Excessive heat |
| INCOMPATIBILITY: | Reducing agents |
| HAZARDOUS DECOMPOSITION PRODUCTS: | NO _x |

SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May cause irritation of the eyes, skin, respiratory tract, and gastrointestinal tract. Significant overexposure could potentially result in methemoglobinemia and nitrite poisoning. Symptoms might include cyanosis, increased pulse rates, nausea, vomiting, dizziness, headache, weakness, shortness of breath, and stupor.

CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

| | |
|-------------|-------------|
| ORAL: | 3,900 mg/kg |
| DERMAL: | None listed |
| INHALATION: | None listed |

SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

SECTION 16: OTHER INFORMATION

| | | |
|---------------|--------------|---|
| NFPA RATINGS: | HEALTH | 1 |
| | FLAMMABILITY | 0 |
| | INSTABILITY | 0 |

| | | |
|---------------|-----------------|---|
| HMIS RATINGS: | HEALTH | 1 |
| | FLAMMABILITY | 0 |
| | PHYSICAL HAZARD | 0 |

MSDS ID NO: US002

PREPARED BY: SS

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