



**THE ANDERSONS  
SAFETY DATA SHEET**

DATE PREPARED: 01/11/12

CURRENT AS OF: 1/7/15

**SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION**

PRODUCT NAME: SpecialCal 70

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 tetrahydrate solution

13477-34-4

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**

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:

HAZARDOUS COMPONENT

OSHA PEL

ACGIH TLV

Calcium nitrate tetrahydrate solution

**PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:**

RESPIRATORY PROTECTION:	NIOSH approved particulate / mist 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:	Clear liquid with no appreciable odor
pH:	6.5
MELTING POINT:	Not available
BOILING POINT:	~ 220°F
FLASH POINT:	Not flammable
EVAPORATION RATE:	Not applicable
FLAMMABLE LIMITS:	Not applicable
VAPOR PRESSURE:	Not applicable
VAPOR DENSITY:	Not applicable
SPECIFIC GRAVITY:	1.47
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:	Water reactive materials
HAZARDOUS DECOMPOSITION PRODUCTS:	NO <sub>x</sub>

**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: US001

PREPARED BY: SS

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