

**Chemical****Americal****Safety Data  
Sheet**

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

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**Product name** : Americal  
**Product use** : Fertilizer  
**Manufacturer or supplier's details**  
**Company** : MORR, Inc.  
**Address** : 6500 Flotilla Street  
Commerce, CA 90040  
office@MORR.com  
855-TRY-MORR  
www.MORR.com  
**Emergency telephone number** : CHEMTREC 24 Hr. Emergency Phone:  
(800) 424-9300

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**SECTION 2. HAZARDS IDENTIFICATION**

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**HAZARD SYMBOLS / STATEMENTS:****WARNING****CAUSE EYE IRRITATION****CAUSE RESPIRATORY IRRITATION**

<b>HAZARD CLASSIFICATIONS:</b>	<b>CATEGORY</b>	<b>INTERPRETATION</b>
EYE IRRITATION	2B	Causes eye irritation
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3	Causes irritation to respiratory tract

**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

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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CHEMICAL IDENTITY	SYNONYM	CAS NUMBER	CONCENTRATION (%)
Calcium nitrate trihydrate		15842-29-2	100.0

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### SECTION 4. FIRST AID MEASURES

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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, but DO NOT induce vomiting. Seek immediate medical attention.
SPECIAL TREATMENT	: None known
HEALTH HAZARDS	: See Section 11

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### SECTION 5. FIREFIGHTING MEASURES

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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.

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### 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

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### SECTION 7. HANDLING AND STORAGE

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Store in a cool, dry, well ventilated area.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 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	Not established	Not established

### 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

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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**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<sup>3</sup>

**SOLUBILITY (IN WATER)** : Soluble

**PARTITION COEFFICIENT** : Not applicable

**AUTOIGNITION TEMP** : Not applicable

**DECOMPOSITION TEMP** : Not applicable

**ODOR THRESHOLD** : Not available

**VISCOSITY** : Not applicable

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## SECTION 10. STABILITY AND REACTIVITY

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STABILITY	: Product is stable.
CONDITIONS TO AVOID	: Excessive heat
INCOMPATIBILITY	: Reducing agents
HAZARDOUS DECOMPOSITION	: No
PRODUCTS	

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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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

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## SECTION 12. ECOLOGICAL INFORMATION

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

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## SECTION 13: DISPOSAL CONSIDERATIONS

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

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## SECTION 14: TRANSPORT INFORMATION

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This product is not regulated as a transportation hazard

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## SECTION 15: REGULATORY INFORMATION

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SARA SECTION 311 / 312:

ACUTE HAZARD

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**SECTION 16: OTHER INFORMATION**

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NFPA RATINGS	:	HEALTH	1
		FLAMMABILITY	0
		INSTABILITY	0
HMIS RATINGS	:	HEALTH	1
		FLAMMABILITY	0
		PHYSICAL HAZARD	0
SDS ID NO	:	USA002	
PREPARED BY	:	TS	

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