



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

SECTION 2. HAZARDS IDENTIFICATION

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

EYE IRRITATION

CATEGORY

2B

INTERPRETATION

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

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, but DO NOT 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:

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

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
ODOR THRESHOLD	: Not available
VISCOSITY	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

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

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:

ACUTE HAZARD

SECTION 16: OTHER INFORMATION

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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