

AMC AGRICULTURAL MINERALS CORPORATION -- UREA -- 6810-01-198-9398

===== Product Identification =====

Product ID:UREA

MSDS Date:04/01/1989

FSC:6810

NIIN:01-198-9398

MSDS Number: BKKKL

=== Responsible Party ===

Company Name:AMC AGRICULTURAL MINERALS CORPORATION

Country:US

CAGE:AMC00

=== Contractor Identification ===

Company Name:AMC AGRICULTURAL MINERALS CORPORATION

Country:US

CAGE:AMC00

Company

Name:LARIMORE CROP SUPPLY INC

Address:1102 HENDERSON ST

Box:City:BLYTHEVILLE

State:AR

ZIP:72315-5227

Country:US

CAGE:3J301

===== Composition/Information on Ingredients =====

Ingred Name:UREA

CAS:57-13-6

RTECS #:YR6250000

Fraction by Wt: 97 - 99%

Other REC Limits:NONE SPECIFIED

Ingred Name:BIURET

Fraction by Wt: 0.5 - 2%

Other REC Limits:NONE SPECIFIED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 0.1-0.3%

Other REC Limits:NONE SPECIFIED

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==== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 14300 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-AT HIGH DUST
CONCENTRATIONS,IRRITATION OF EYES,SKIN & MUCOUS MEMBRANES BY
CHEMICAL/MECHANICAL ACTION MAY OCCUR.CHRONIC-NONE FOUND.
Effects of Overexposure:SEE HEALTH HAZARDS SECTION.
Medical Cond Aggravated by Exposure:NONE

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==== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION.INHALATION:REMOVE TO FRESH
AIR.EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES
HOLDING EYELIDS OPEN.SKIN:WASH WITH WATER AND MILD
DETERGENT.INGESTION:IF CONSCIOUS,GIVE LARGE AMOUNT OF WATER TO
DRINK AND INDUCE VOMITING.

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==== Fire Fighting Measures =====

Flash Point:NONE
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED, POSITIVE-PRESSURE
BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:CYANURIC ACID, AMMONIA, BIURET AND
NITROGEN OXIDES

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==== Accidental Release Measures =====

Spill Release Procedures:RECOVER AND USE AS FERTILIZER. PREVENT LARGE
QUANTITIES FROM CONTACT WITH WATERWAYS OR VEGETATION.
Neutralizing Agent:NOT APPLICABLE.

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==== Handling and Storage =====

Handling and
Storage Precautions:STORAGE-NO UNUSUAL PRECAUTIONS
NECESSARY.
Other Precautions:SPILLED UREA, WET OR DRY, CAN CAUSE SLIPPERY
CONDITIONS. MAY BE TOXIC TO CATTLE WHEN INGESTED.

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==== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH-APPROVED DUST RESPIRATOR (EITHER
SINGLE USE OR MULTIPLE USE) WHEN APPLICABLE DUST STANDARDS ARE
EXCEEDED.
Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.
Protective Gloves:NEOPRENE, NITRILE, OR NATURAL RUBBER

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Eye Protection:SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:275F,135C

Decomp Temp:Decomp Text:275F,135C

Spec Gravity:1.320

Solubility in Water:COMPLETE

Appearance and Odor:WHITE OR TAN, GRANULAR SOLID, ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

HYPOCHLORITE BLEACH REACTS WITH UREA TO FORM NITROGEN TRICHLORIDE WHICH EXPLODES SPONTANEOUSLY IN AIR.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:AMMONIA, CYANURIC ACID, BIURET, NITROGEN OXIDES

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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