



Finding New Ways to Improve the
Treatment of Trees and Plants.

SAFETY DATA SHEET

PRODUCT NAME: **28-0-0 70% CRN**

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTOR: Quest Products Corporation
ADDRESS: 23611 Linwood Road (K-32)
Linwood, KS 66052
USA
PHONE: +1 (785)-542-2577

EMERGENCY CHEMTREC PHONE - US & Canada: 1-800-424-9300

CHEMICAL NAME: Methylene Urea
CHEMICAL FAMILY: Controlled Release Nitrogen Solution
CHEMICAL FORMULA: Proprietary mixture

PRODUCT USE: Fertilizer - Controlled Release Nitrogen Solution

SECTION 1 NOTES: None

SECTION 2: HAZARDS IDENTIFIED

GHS Ratings:

Signal Word: CAUTION

GHS Hazards

H303 – May be harmful if swallowed.
H313 – May be harmful in contact with skin.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H333 – May be harmful if inhaled.

GHS Precautions

P101 – If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.
P211 – Do not spray on an open flame or other ignition source.
P270 - Do not eat, drink or smoke when using this product.
P362+364 – IF ON CLOTHING: Take off contaminated clothing and wash before reuse.
P370+260 – In case of fire, do not breathe in fumes.
P402 – Store in a dry place.



SECTION 3: COMPONENT INFORMATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Amino-Modified Methylene Urea	9011-05-6	65-85%
Proprietary Formulation Ingredients	100%	

SECTION 3 NOTES: If Chemical Name/CAS Number is listed as "Proprietary", or the % Weight is listed as a range, the specific chemical identity or percentage of composition has been withheld as a trade secret. Product does NOT contain any pesticides or pest control agents

OSHA: No

ACGIH: No

CARCINOGENICITY

NTP: No

IARC: No

OTHER: Unknown

SECTION 4: FIRST AID MEASURES

Have this SDS and/or the product label with you when seeking medical attention, if possible. Never give anything by mouth to an unconscious person.

IF IN EYES: Do not rub eyes. Rinse with copious amounts of water for 15 to 20 minutes. Remove contact lenses if present and easy to do so, then continue rinsing. If irritation develops or persists, seek medical attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing, wash before reuse. Wash skin with plenty of soap and water. Seek medical advice/attention if irritation develops or persists.

IF SWALLOWED: Give affected person plenty of water to drink. Induce vomiting. Seek medical attention or a poison control center immediately.

IF INHALED: Remove to fresh air immediately and ventilate suspected area. Keep at rest in a position comfortable for breathing. Seek medical attention if difficulty breathing develops, condition declines, or symptoms persist.

SECTION 4 NOTES: Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Treat symptomatically. Treatment should be directed towards control of the symptoms and the clinical condition of the patient.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT °C: Not applicable.

IN CASE OF FIRE: Use carbon dioxide, sand or dry chemical for small fires and water fog or foam (alcohol, polymer, or ordinary) for large fires.

SUITABLE EXTINGUISHING MEDIA: Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide, sand or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fight fire from upwind. Assure a self-contained breathing apparatus is worn. Minimize run-off, if possible.

HAZARDOUS COMBUSTION PRODUCTS: During fire, oxides of nitrogen and ammonia may be released. When heated to decomposition, the product emits acrid smoke and toxic fumes.

SECTION 5 NOTES: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Keep unnecessary personnel away. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this SDS. Contain spills and prevent runoff or entering of waterways. Pick up spills with absorbent material and place in suitable containers. Remove potential sources of ignition. Dispose absorbed material, rinsate and containers according to all local, state and federal regulations at an approved waste facility.

CLEAN-UP MEASURES: Following product recovery, flush area with water. For waste disposal, see section 13 of this SDS.

SECTION 6 NOTES: Do not get in eyes, on skin or on clothing. Avoid discharge into drains, watercourses or onto the ground. See section 1 for CHEMTREC emergency phone number. See Section 12 for additional Ecological Information.

SECTION 7: HANDLING AND STORAGE



HANDLING Observe good industrial hygiene practices. Keep out of reach of children. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash water or spray waste. Avoid combining with strong acids and exposure to extreme temperatures.

STORAGE: Store in original, tightly closed container. Store in a cool, dry place. Do not store with food, feed or other material to be used or consumed by humans or animals. Use within 6 months of purchase date. Store unblended in original containers.

SECTION 7 NOTES: None.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

VENTILATION:	Standard indoor ventilation or outdoor use should be satisfactory.
RESPIRATORY PROTECTION:	Wear a NIOSH/OSHA approved respirator, approved for use with propionic acid, if product is ignited. When ignited, releases oxides of nitrogen.
EYE PROTECTION:	Safety glasses with side shields are recommended as described by OSHA's eye and face protection regulations in 29CFR 1910.133, or tight-fitting goggles should be sufficient if fumes are generated. 
SKIN PROTECTION:	For prolonged or repeated skin contact, wear suitable protective gloves. 
OTHER PROTECTIVE CLOTHING/EQUIPMENT:	Eye wash and safety shower should be easily accessible.
WORK HYGIENIC PRACTICES:	Wash with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.
EXPOSURE GUIDELINES:	If exposed, see section 4 for acute exposure first aid.
SECTION 8 NOTES:	None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Free-Flowing Liquid	(n-octanol/water):	Available
COLOR:	Clear to Opaque	AUTO-IGNITION TEMPERATURE:	Not Applicable
ODOR:	Mild Ammonia	DECOMPOSITION TEMPERATURE:	No
ORDER THRESHOLD:	Undetermined		information found.
PHYSICAL STATE:	Liquid	VISCOSITY:	Non-viscous
pH:	9-10		
INITIAL BOILING POINT:	F: 212° C: 100°		
BOILING POINT RANGE:	F: Undetermined C: Undetermined		
MELTING POINT:	F: N/A - Liquid C: N/A - Liquid		
FREEZING POINT:	F: Undetermined C: Undetermined		
FLASH POINT:	F: Not Available C: Not Available		
FLAMMABILITY (solid, gas):	Undetermined		
FLAMMABLE LIMITS:	Undetermined		
BULK DENSITY:	10.7lb/gal		
VAPOR PRESSURE (mmHg):	@: N/A F: N/A C: N/A		
VAPOR DENSITY (AIR = 1):	@: N/A F: N/A C: N/A		
SPECIFIC GRAVITY:	1.27-1.29 gms/cc		
EVAPORATION RATE:	Not Available		
BASIS (butyl acetate=1):			
SOLUBILITY IN WATER:	Soluble		
PARTITION COEFFICIENT	No Data		

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable <input checked="" type="radio"/> Unstable <input type="radio"/>	
REACTIVITY:		The product is stable and non-reactive under normal conditions of use, storage and transport.
INCOMPATIBLE MATERIALS:		Strong acids.
POSSIBILITY OF HAZARDOUS REACTIONS:		No dangerous reaction under normal conditions of use. Avoid extreme temperatures.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:		When ignited, releases oxides of nitrogen, acrid smoke and irritating fumes.
CONDITIONS TO AVOID:		Extreme heat – above 105°F, or greater acid contamination.
SECTION 10 NOTES:		None.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY:	May be harmful if swallowed. May harm mucosal membranes.
ACUTE DERMAL TOXICITY:	May cause mild irritation.
ACUTE INHALATION TOXICITY:	Prolonged inhalation may cause respiratory irritation or aggravate symptoms of those with compromised respiratory systems.
ACUTE INGESTION TOXICITY:	Ingestion may be harmful in large quantities.
EYE DAMAGE / IRRITATION:	Direct contact with eyes will cause temporary irritation.
SKIN CORROSION:	Not expected to cause corrosion of the skin.
RESPIRATORY SENSITIZATION:	Prolonged inhalation may be harmful.
CARCINOGENICITY:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
GERM CELL MUTAGENICITY:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.	
REPRODUCTIVE TOXICITY:	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure:	No data available.
ASPIRATION HAZARD:	Not classified.
SECTION 11 NOTES:	None.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. This product is not intended for use in aquatic settings. Do not apply to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.
SOIL MOBILITY:	This product is water-soluble and may disperse in soil.
GENERAL MOBILITY:	This product is water-soluble and may spread in water systems.
PERSISTENCE/DEGRADABILITY:	No data available.
BIOACCUMULATION:	The product is not expected to bioaccumulate.
OTHER ADVERSE EFFECTS:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
SECTION 12 NOTES:	None.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS:	Collect and reclaim, or dispose in sealed containers at licensed waste disposal site.
CONTAINER DISPOSAL:	Non-refillable container. Do not reuse or refill this container.
RCRA HAZARD CLASS:	Not subject to RCRA Subtitle C regulation
CALIFORNIA HAZARDOUS WASTE STATUS:	Not listed and not subject to CEPA hazardous waste regulation.
HAZARDOUS WASTE CODE:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
WASTE FROM RESIDUES:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see disposal instructions).
CONTAMINATED PACKAGING:	Empty containers should be taken to an approved waste-handling site for recycling or disposal. Since emptied containers may retain residue, follow label warnings even after container is emptied.
SECTION 13 NOTES:	None.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Description:	Not regulated as dangerous goods.
IATA:	Not regulated as dangerous goods.
IMDG:	Not regulated as dangerous goods.
TRANSPORT IN BULK (Annex II MARPOL 73/78 + IBC Code)	Not applicable.
U.S. Surface Freight Classification:	NMFC 33560 (Fertilizer, organic base), class 50 (Liquid). Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.
OTHER AGENCIES:	None.
SECTION 14 NOTES:	Please see current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA 311/312 Hazard Categories

<u>Acute Health Hazard:</u>	Yes
<u>(Delayed) Chronic Health Hazard:</u>	No
<u>Fire Hazard:</u>	Yes
<u>Sudden Release of Pressure Hazard:</u>	No
<u>Reactive Hazard:</u>	No
<u>SARA 311/312 Hazardous:</u>	No
<u>SARA 302 Extremely Hazardous Substance:</u>	Not listed.
<u>SARA 313 (TRI Reporting):</u>	Not regulated.

California Proposition 65

This product does not contain ingredients which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

SECTION 15 NOTES: The product or all its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act (TSCA)

SECTION 16: OTHER INFORMATION

DATE OF PREPARATION/LAST REVISION: June 26th, 2024

OTHER INFORMATION:

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC, and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

DISCLAIMER:

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