

# CORON 28-0-0

Helena Chemical Company  
 PH: 901-761-0050  
**CHEMTREC:** 800-424-9300  
**Effective Date:** 13-JUN-2005  
**Product:** CORON 28-0-0

## I. IDENTIFICATION

**Chemical Name:** AMINO MODIFIED METHYLENE UREA SOLUTION.  
**Chemical Family:** INORGANIC CONTROLLED RELEASE NITROGEN.  
**Formula:** NOT APPLICABLE, FORMULATED MIXTURE.  
**Synonyms:** CRN, CONTROLLED RELEASE NITROGEN.  
**CAS Number:** SEE INGREDIENT STATEMENT, SECTION III.  
**EPA Number:** NONE REQUIRED

## II. PHYSICAL DATA

**Boiling Point:** 102 DEGREES C.  
**Freezing Point:** 0 DEGREES F.  
**Spec Gravity:** 1.273 GMS/CC.  
**Vapor Pressure:** 50 MM/HG @ 21C  
**Vapor Density:** NOT APPLICABLE  
**Solubility:** INFINITE  
**Volatiles:** 40%  
**Evaporation:** 0.3  
**Melting Point:** NOT APPLICABLE  
**Appearance:** CLEAR GREEN LIQUID, SLIGHTLY MUSTY ODOR.

## III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF PLANT NUTRIENTS DERIVED FROM UREA, METHYLENE DIUREA AND METHYLENE UREAS.		100.00	15 MG/M3	SKIN & EYE IRRITANT
TYPICAL COMPOSITION: Total Nitrogen (N): 28.00% 8.4% Urea Nitrogen 19.6% Water Soluble Nitrogen				

## IV. FIRE AND EXPLOSION HAZARD

**Flash Point:** NON-COMBUSTIBLE  
**Autoignition Temp:** NON-COMBUSTIBLE  
**Flammable Limit:** NOT APPLICABLE  
**Extinguishing Media:** NON-COMBUSTIBLE LIQUID, USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.  
**Special Fire Fight Proc:** USE POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS WITH FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.  
**Fire and Expl Hazard:** DECOMPOSES ON HEATING TO NITROGEN OXIDES.

## V. HEALTH HAZARD

**Carcinogen Information:** NOT LISTED BY NTP, IARC OR OSHA  
**ACUTE EFFECTS OF OVER EXPOSURE**  
**Swallowing:** PRODUCT NOT TESTED FOR ACUTE TOXICITY. HOWEVER, THE INDIVIDUAL COMPONENTS COMPRISING THE PRODUCT ARE NOT CONSIDERED ACUTELY TOXIC.  
**Skin Absorption:** NO TOXIC EFFECTS DUE TO SKIN ABSORPTION BASED ON CURRENTLY KNOWN INFORMATION.  
**Inhalation:** INHALATION OF PRODUCT SOLUTION OR MIST MAY IRRITATE THE RESPIRATORY TRACT.  
**Skin contact:** SKIN IRRITATION IS POSSIBLE FROM PROLONGED OR REPEATED CONTACT.  
**Eye Contact:** CONTACT WITH EYES BY PRODUCT SOLUTION OR MIST WILL CAUSE IRRITATION OR BURNING SENSATION.  
**Chronic Effects:** NONE CURRENTLY KNOWN.  
**Other Hazard:** NONE CURRENTLY KNOWN.  
**EMERGENCY AND FIRST AID PROCEDURES**

**Swallowing:** DRINK LARGE VOLUMES OF WATER AND INDUCE VOMITING BY PLACING FINGER AT BACK OF THROAT. CALL A PHYSICIAN OR POISON CONTROL CENTER.  
**Skin:** REMOVE CONTAMINATED CLOTHING AND WASH WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION DEVELOPS.  
**Inhalation:** MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.  
**Eyes:** FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.  
**Notes to Physician:** THERE IS NO SPECIFIC ANTIDOTE FOR THIS MATERIAL. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

## VI. REACTIVITY

**Stability:** Stable  
**Conditions to Avoid:** TEMPERATURES OF 125 DEGREES F. OR GREATER ACID CONTAMINATION.  
**Polymerization:** Will Not Occur  
**Conditions to Avoid:** TEMPERATURES OF 125 DEGREES F. OR GREATER ACID CONTAMINATION.  
**Incompatibility material:** AVOID MIXING OR INTIMATE CONTACT WITH STRONGLY ACIDIC MATERIALS.  
**Hazardous Combustion:** THERMAL DECOMPOSITION FROM EXCESSIVE HEAT (SUCH AS FIRE) MAY RELEASE AMMONIA AND CARBON DIOXIDE.

## VII. SPILL OR LEAK PROCEDURES

**Spill or Leak Proc:** CONTAIN AND MOP UP OR PUMP UP SPILLED MATERIAL INTO METAL OR PLASTIC DRUMS. IF UNCONTAMINATED, REUSE AS PRODUCT. IF CONTAMINATED, PLACE MATERIAL IN A PLASTIC RECOVERY DRUM FOR PROPER DISPOSAL.  
**Waste Disposal Method:** THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

## VIII. SPECIAL PROTECTION INFORMATION

**Respiration:** IF MIST CONCENTRATIONS EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS, USE NIOSH-APPROVED RESPIRATOR.  
**Ventilation:** LOCAL EXHAUST NORMALLY SUFFICIENT.  
**Gloves:** IMPERVIOUS  
**Eyes:** CHEMICAL WORKERS GOGGLES.  
**Other:** EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

## IX. SPECIAL PRECAUTIONS

**Special precaution:** KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS. PROTECT AGAINST PHYSICAL DAMAGE. STORE IN COOL, DRY PLACE. SEPARATE FROM COMBUSTIBLE, ORGANIC OR OTHER READILY OXIDIZABLE MATERIALS. AVOID STORAGE ON WOOD FLOORS. IMMEDIATELY REMOVE AND DISPOSE OF ANY SPILLED MATERIAL. MAY PROMOTE EUTROPHICATION IN WATERWAYS IF LARGE SPILL OCCURS.  
**Other precaution:** NONE.

## X. SHIPPING INFORMATION

**Shipping name:** NOT REGULATED BY DOT, IATA OR IMO.  
**Hazard Class:** NONE  
**Identification No:** NONE  
**Labels Required:** NONE  
**Placarding:** NONE  
**Freight Class:** NITROGEN FERTILIZER SOLUTION, 28%

Chemical Name	Equivalent R.Q.
NOT APPLICABLE	NOT APPLICABLE

## XI. GENERAL PRODUCT INFORMATION

**National Fire Protection Association Rating:** (Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)  
**Health:** 1  
**Fire:** 0  
**Reactivity:** 0  
**S.A.R.A. Title III Hazard Classification:** (Yes/No)  
**Immediate (Acute) Health:** N  
**Delayed (Chronic) Health:** N  
**Sudden Release of pressure:** N  
**Fire:** N  
**Reactive:** N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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