

Material Safety Data Sheet

Effective Date: 27-JUL-2014
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: <-15 DEGREES F.
Spec Gravity: 1.265-1.285 G/ML
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. TYPICAL COMPOSITION: Total Nitrogen (N): 28.00% 8.4% Urea Nitrogen 19.6% Water Soluble Nitrogen		100.00	15 MG/M3	SKIN & EYE IRRITANT

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

Material Safety Data Sheet

Effective Date: 27-JUL-2014
Product: CORON 28-0-0

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.

Material Safety Data Sheet

Effective Date: 27-JUL-2014
Product: CORON 28-0-0

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.

Material Safety Data Sheet

Effective Date: 27-JUL-2014
Product: CORON 28-0-0

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: FERTILIZING COMPOUND, (MANUFACTURED
FERTILIZER), LIQUID, NOIBN (NMFC ITEM 68140,
SUB 6, CLASS 70)

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: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
Helena Chemical Company believes that the data contained herein is factual.
This data is not to be taken as a warranty or representation of legal
responsibility. It is offered solely for your consideration, investigation
and verification.