

Material Safety Data Sheet

Effective Date: 14-APR-2001

Product: CORON 16-3-3 TREE & SHRUB FERTILIZER (CODE 55)

I. IDENTIFICATION

Chemical Name: LIQUID CONTROLLED RELEASE FERTILIZER
Chemical Family: INORGANIC FERTILIZER
Formula: NOT APPLICABLE, FORMULATED MIXTURE.
Synonyms: NONE
CAS Number: NOT APPLICABLE, FORMULATED MIXTURE.
EPA Number: NOT REQUIRED

II. PHYSICAL DATA

Boiling Point: 102 DEGREES C.
Freezing Point: 25 DEGREES F.
Spec Gravity: 1.192 GMS/CC
Vapor Pressure: 50MM HG @ 21C
Vapor Density: NOT APPLICABLE
Solubility: 100%
Volatiles: 40% @ 105C
Evaporation: 0.03
Melting Point: NOT APPLICABLE
Appearance: CLEAR/GREEN LIQUID, SLIGHT AMMONIA ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF UREA, AMINO MODIFIED METHYLENE UREA, METHYLENE DIUREA, MONOMETHYLOL UREA, POTASSIUM PHOSPHATE AND AMMONIUM PHOSPHATE TYPICAL COMPOSITION: UREA/ORGANIC NITROGEN - 16.0%; PHOSPHATE (P2O5) - 3.0%; POTASSIUM (K2O) - 3.0%		100.00	5 MG/M3	SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NON-COMBUSTIBLE
Autoignition Temp: NOT APPLICABLE
Flammable Limit: NOT APPLICABLE
Extinguishing Media: NON-COMBUSTIBLE PRODUCT. USE EXTINGUISHING MEDIA
FOR UNDERLYING CAUSE OF FIRE.
Special Fire Fight Proc: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING
APPARATUS AND FULL PROTECTIVE CLOTHING. USE

Material Safety Data Sheet

Effective Date: 14-APR-2001

Product: CORON 16-3-3 TREE & SHRUB FERTILIZER (CODE 55)

WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS
COOL.

Fire and Expl Hazard: PRODUCT GENERATES TOXIC AND IRRITATING FUMES
UNDER FIRE CONDITIONS.

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

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: PRODUCT NOT TESTED FOR ACUTE DERMAL TOXICITY.
Inhalation: IN THE UNLIKELY EVENT THAT MIST IS FORMED, IT
MAY IRRITATE THE RESPIRATORY TRACT.
Skin contact: PROLONGED OR REPEATED LIQUID CONTACT MAY
IRRITATE SLIGHTLY.
Eye Contact: LIQUID CONTACT MAY IRRITATE SLIGHTLY. IF MIST
IS FORMED, IT MAY ALSO IRRITATE SLIGHTLY.
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: WASH SKIN THOROUGHLY WITH SOAP AND WATER. GET
MEDICAL ATTENTION 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: AVOID HIGH TEMPERATURES ABOVE 105 DEG. F. FOR
PROLONGED PERIODS.
Polymerization: Will Not Occur

Material Safety Data Sheet

Effective Date: 14-APR-2001

Product: CORON 16-3-3 TREE & SHRUB FERTILIZER (CODE 55)

Conditions to Avoid: TEMPERATURES ABOVE 125 DEG. F. OR GREATER AND
ACID CONTAMINATION.

Incompatibility material: AVOID MIXING OR INTIMATE CONTACT WITH STRONGLY
ACIDIC MATERIALS.

Hazardous Combustion: PRODUCT MAY RELEASE AMMONIA AND CARBON DIOXIDE
UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN SPILL. IF UNCONTAMINATED, RECOVER AND
REUSE PRODUCT. IF CONTAMINATED, ABSORB ON SAND
OR CLAY AND PLACE IN A 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: NIOSH/MSHA CARTRIDGE TYPE RESPIRATOR APPROVED
FOR AMMONIA GAS IF MIST OR SPRAY IS PRESENT.

Ventilation: LOCAL EXHAUST SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: SPLASH PROOF GOGGLES.

Other: EMERGENCY SHOWER, 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. USE WITHIN 6 MONTHS OF DATE OF PURCHASE.
STORE UNBLENDED IN CLOSED CONTAINER BETWEEN 40
DEGREES F AND 90 DEGREES F. AVOID CONTAINERS,
PIPING OR FITTINGS MADE OF COPPER-CONTAINING
ALLOYS OR GALVANIZED METALS.

Other precaution: PRODUCT MAY PROMOTE EUTROPHICATION IN WATERWAYS
IF LARGE SPILLS OCCUR.

40 CFR PART 355 - EXTREMELY HAZARDOUS
SUBSTANCES - NONE

40 CFR PART 370 - HAZARDOUS CHEMICAL REPORTING
- NOT APPLICABLE

40 CFR PART 372 - TOXIC CHEMICALS - NOT LISTED

Material Safety Data Sheet

Effective Date: 14-APR-2001

Product: CORON 16-3-3 TREE & SHRUB FERTILIZER (CODE 55)

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: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER)
LIQUID, NOIBN(16-3-3)

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
Sudden Release of pressure: N
Reactive: N

Delayed (Chronic) Health: N
Fire: 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.