



# MATERIAL SAFETY DATA SHEET

NURTURE CRN 30-0-0

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Issue Date: 03/09

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

NURTURE CRN 30-0-0

Common Name: Slow release nitrogen fertilizer.  
Chemical Description: Urea-Formaldehyde fertilizer.  
TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

### Manufactured For

Brandt Consolidated, Inc.  
2935 So. Koke Mill Road  
Springfield, IL 62711

### Emergency Phone Numbers

CHEMTREC (24-Hour Emergency Number): (800) 424-9300  
EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Formaldehyde	50-00-0	<0.1	TWA: 0.75 ppm STEL: 2 ppm	100

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear, colorless liquid with ammoniacal odor. May cause eye and skin irritation. May be harmful if ingested. Intense heat or flame will cause product to emit irritating fumes and toxic gases. Not D.O.T. regulated.

HEALTH: 1      REACTIVITY: 0      FLAMMABILITY: 0      ENVIRONMENT: 0  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

## SECTION 4. FIRST AID

Eyes: Immediately rinse eyes with plenty of running water for at least 15 minutes. Get medical attention if irritation persists.

Skin: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.

Ingestion: If conscious and alert, administer water or milk to dilute, then induce vomiting. Call a Poison Control Center or physician immediately. Do not give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	Does not flash.
Test Method:	Pensky-Martens Closed Cup.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not available.
Flammability Classification:	Nonflammable.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	Unvented contains can build up pressure if exposed to heat (fire) and rupture violently.
Extinguishing Media:	Water spray, carbon dioxide or dry chemical.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
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Storage:	Store in original container only in a cool, well-ventilated, dry place at temperatures between 40 and 95°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Harmful if swallowed. Avoid breathing spray mists or vapors. Avoid contamination of feed or foodstuffs. After using this product remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
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Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

Appearance:	Clear, colorless liquid.
Odor:	Ammoniacal odor.
pH:	Approx. 9.7
Vapor Pressure:	None.
Vapor Density (Air=1):	Not available.
Boiling Point:	Approx. 212°F.
Freezing Point:	32°F.
Water Solubility:	Miscible.
Density:	10.35 lbs./gal
Evaporation Rate:	Not determined.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

**SECTION 10. STABILITY AND REACTIVITY**

Stability:	Stable.
Conditions To Avoid:	Intense heat and flame.
Incompatibility:	Not available.
Hazardous Decomposition Products:	Irritating fumes and toxic gases.
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

Eyes:	May cause mild to moderate eye irritation or injury. Repeated or prolonged exposure to vapors released from hot or curing product may cause mild to moderate eye irritation. Symptoms include redness, watering, itching, or a burning sensation in the eyes.
Skin:	Not expected to be a primary skin irritant or toxic by skin contact.
Ingestion:	Not expected to be orally toxic. In normal industrial use, ingestion is not considered a probably route of exposure.
Inhalation:	Not expected to be toxic by inhalation. However, prolonged inhalation of vapors released from hot or curing product may be irritating to the nose, throat and lungs. Symptoms may include coughing or shortness or breath, nausea, headaches, or dizziness.

Subchronic Effects: None known.

Chronic Effects: None known.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

**SECTION 14. TRANSPORTATION**

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Fertilizing Compounds (Manufactured), Liquid. NMFC Item 68140 Sub 6, LTL Class 70

**SECTION 15. REGULATORY INFORMATION**

CERCLA: Formaldehyde is listed as a priority pollutant under the Clean Water Act and, as such, falls under the CERCLA spill reporting requirements of 40 CFR 302.

SARA TITLE III, Section 313 Toxic Chemicals: Formaldehyde (<0.1%).

**SECTION 16. OTHER**

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