

MATERIAL SAFETY DATA SHEET



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NACHURS SRN™
28-0-0 WITH 72% SLOW RELEASE NITROGEN

SECTION I. MATERIAL IDENTIFICATION

CHEMICAL NAME Slow Release Nitrogen Solution,
AND SYNONYMS: Controlled Release Nitrogen, NACHURS SRN
CHEMICAL FAMILY: Urea-triazone

SECTION II. INGREDIENTS AND HAZARDS

Contains no hazardous components as per 29 CFR 1910.100 (Subpart Z)

SECTION III. PHYSICAL DATA

BOILING POINT at 1 atm, deg F: 219°F
SPECIFIC GRAVITY (H₂O = 1): 1.29
DENSITY, lbs/gal 10.7
WATER SOLUBILITY: complete
pH: 9.8-10.5
APPEARANCE AND ODOR: translucent color, slight amine odor

SECTION IV. FIRE AND EXPLOSION DATA

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FLASH POINT AND METHOD: N/A	AUTOIGNITION TEMP: N/A	FLAMMABILITY LIMITS IN AIR: N/A	N/A	N/A

EXTINGUISHING MEDIA: Water or media suitable for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Positive pressure self contained breathing apparatus should be used when there is a potential for inhalation of vapors and/or fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition can occur at elevated temperatures with production of toxic fumes of nitrogen oxides (NOx) and/or ammonia.

SECTION V. HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE: Inhalation or eye contact may cause irritation, redness, and discomfort. Skin contact may cause mild irritation and discomfort.

FIRST AID:

Eye Contact: Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.
Skin Contact: Remove contaminated clothing and shoes. Wash skin immediately and thoroughly with water. If irritation persists, seek medical attention.
Inhalation: Move patient to fresh air. If qualified, provide assisted respiration if breathing has stopped or is difficult. Turn patient's head to side to prevent aspiration of vomit. Seek medical attention if discomfort continues.
Ingestion: If conscious, immediately give large quantities of water and induce vomiting. Seek medical attention immediately.

SECTION VI. REACTIVITY DATA

STABILITY:	Stable: X	Unstable:	CONDITIONS TO AVOID: temperatures above 38°C (100°F) for prolonged periods
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INCOMPATIBILITY: strong acidic materials

HAZARDOUS DECOMPOSITION PRODUCTS: can form oxides of nitrogen and carbon under fire conditions

HAZARDOUS POLMERIZATION: none reported

SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

SPILLS, LEAKS: In the case of a spill, contain spill and maximize recovery. Mop up or pump up promptly in suitable containers. May be used as a fertilizer in accordance with local, state or federal regulations.

WASTE DISPOSAL METHOD: Users of this product should review their operations in terms of applicable federal, state, and local laws and regulations, then consult with appropriate regulatory agent before discharging or disposing.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Respirators are not required under normally ventilated conditions. If heated to evolve decomposition products, use appropriate SCBA protection. If misted by heat, agitation or spray, use a mist respirator approved by NIOSH. Do not use single-use type.

VENTILATION:	LOCAL EXHAUST: adequate	SPECIAL:
	MECHANICAL: only if heated or misted	OTHER:

PROTECTIVE GLOVES: chemical resistant gloves

EYE PROTECTION: safety glasses and face shield are recommended

OTHER PROTECTIVE EQUIPMENT AND PRECAUTIONS: long sleeved clothing to prevent skin contact

SECTION IX. SPECIAL PRECAUTIONS AND COMMENTS

STORAGE AND HANDLING INFORMATION:

Storage is suitable in the following containers: HDPE (high density polyethylene), FG (fiber glass), FRP (fiberglass reinforced plastic), stainless steel. This product is heavier than water. Storage container will need to accommodate the fertilizer weight per gallon.

OTHER PRECAUTIONS: Always follow good industrial hygiene practices.

HAZARD RATING (N.F.P.A.):


HEALTH:	1
FIRE:	0
REACTIVITY:	0

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.A.)

DOT CLASS: N/A

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Signature: _____



Title: Director, Technical Services

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