



MATERIAL SAFETY DATA SHEET

Product #:

F000005

Name of Product:

Revision Date: Aug 2, 2012

NACHURS G24™

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NACHURS G24-S™
SYNONYMS: 6-24-6; In furrow fertilizer
PRODUCT CODES: F000005, F000282

MANUFACTURER: NACHURS ALPINE SOLUTIONS®
DIVISION: Marion
ADDRESS: 421 Leader Street, Marion, OH 43302, United States

EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC)

CHEMICAL NAME: Nitrogen, Phosphorus, Potassium mixed fertilizer solution
CHEMICAL FAMILY: Inorganic
CHEMICAL FORMULA: Fertilizer complex

PRODUCT USE:

PREPARED BY: NACHURS ALPINE SOLUTIONS®

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Inhalation, Ingestion, Injection, Absorption

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation
SKIN: May cause irritation
INGESTION: May cause irritation
INHALATION: N/A

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

CARCINOGENICITY:

OSHA: N/A
ACGIH: N/A
NTP: N/A
IARC: N/A
OTHER: N/A

SECTION 2 NOTES:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Nitrogen: 6%
P₂O₅: 24%
K₂O: 6%

CAS NO.: (NH₄)₃PO₄: 10361-65-6
K₂HPO₄: 7758-11-4
% WT:
% VOL:

SARA 313 REPORTABLE: N/A
pmm:
mg/m³:

OSHA PEL-TWA: N/A
OSHA PEL STEL: N/A
OSHA PEL CEILING: N/A

ACGIH TLV-TWA: N/A
ACGIH TLV STEL: N/A
ACGIH TLV CEILING: N/A

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, seek medical attention.

SKIN: Flush skin immediately and thoroughly with water. If irritation persists, seek medical attention.

INGESTION: If conscious, immediately give large quantities of water and induce vomiting. Seek medical attention.

INHALATION: Generally not considered an inhalation hazard.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: UPPER: N/A
(% BY VOLUME) LOWER: N/A

FLASH POINT: N/A

METHOD USED: N/A

AUTOIGNITION TEMPERATURE: N/A

NFPA HAZARD CLASSIFICATION:
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
OTHER: None

HMIS HAZARD CLASSIFICATION

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HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
PROTECTION:

EXTINGUISHING MEDIA: Water or suitable for surrounding materials
SPECIAL FIRE FIGHTING PROCEDURES: May evolve ammonia when heated, suitable respiratory protection or SCBA
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia may be generated if exposed to excessive heat or strong alkaline materials.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Since N-P-K is a fertilizer, product may promote eutrophication in waterways. In the case of a spill, contain the spill and maximize recovery. Store in mild steel or plastic containers.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Good industrial and safety hygiene practices should always be used. Store in suitable containers made of mild steel, plastic, fiberglass, or stainless steel.
OTHER PRECAUTIONS: N/A

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A
VENTILATION: Provide adequate ventilation for local areas.
RESPIRATORY PROTECTION: Respirators are not required under normal ventilated conditions. If heated to evolve ammonia, use appropriate protection. If misted by heat, agitation, or spray, use a NIOSH approved mist respirator.
EYE PROTECTION: Chemical splash goggles/face shield
SKIN PROTECTION: N/A
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A
WORK HYGIENIC PRACTICES: N/A
EXPOSURE GUIDELINES: N/A

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Clear/translucent green liquid

ODOR: May have slight ammonia odor

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 6.3 - 7.0

pH (Other):

BOILING POINT:

F°: >200°F

C°: >93.3°C

MELTING POINT: N/A

FREEZING POINT: N/A

VAPOR PRESSURE (mmHg) N/A

VAPOR DENSITY (AIR = 1) N/A

SPECIFIC GRAVITY (H₂O = 1) 1.33

DENSITY, LBS/GAL: 11.10

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: Complete

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N/A

BY WT

BY VOL @F°:

C°:

VOLATILE ORGANIC COMPOUNDS (VOC): None

WITH WATER LBS/GAL:

WITHOUT WATER LBS/GAL:

MOLECULAR WEIGHT: N/A

VISCOSITY: N/A

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

	STABLE	UNSTABLE
STABILITY:	x	
CONDITIONS TO AVOID (STABILITY):	Extreme heat or fire	
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong alkaline materials.	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Ammonia may be generated if exposed to excessive heat or strong alkaline materials.	

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HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: N/A

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not allow entry into drinking water/

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal of N-P-K fertilizer may be subject to federal, state, and local regulations. Users of this product should review their operations in terms of applicable regulations, and then consult with the appropriate regulatory agents before discharging or disposing.

RCRA HAZARD CLASS: N/A

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: NACHURS G24-S™

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT:

Health: 1 Flammability: 0 Reactivity: 0 Specific: None

WATER TRANSPORTATION:

PROPER SHIPPING NAME: NACHURS G24-S™

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS:

Health: 1 Flammability: 0 Reactivity: 0 Specific: None

AIR TRANSPORTATION

PROPER SHIPPING NAME: NACHURS G24-S™

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS:

Health: 1 Flammability: 0 Reactivity: 0 Specific: None

OTHER AGENCIES:

SECTION 14 NOTES:

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SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): Yes

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): No

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: Ammonium Phosphate, Potassium Phosphate

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION: *Technical Services*

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