



MATERIAL SAFETY DATA SHEET

Name of Product:

ALPINE G24®

Product #: F 5

Revision Date: January 26, 2018

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ALPINE G24
SYNONYMS: 6-24-6
PRODUCT CODES: F 5

MANUFACTURER: NACHURS ALPINE SOLUTIONS®
DIVISION: New Hamburg
ADDRESS: 30 Neville Street, New Hamburg, ON N3A 4G7 CANADA
PHONE: 1-519-662-2352

EMERGENCY PHONE: 1-877-378-7745 (QM)
CHEMTREC PHONE: 1-800-424-9300 (US)
CANUTEC: 1-613-996- 6666 (CANADA)
FAX PHONE: N/A

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

PRODUCT USE: Agricultural Nutrient Supply

PREPARED BY: NACHURS ALPINE SOLUTIONS®

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Use with Care!

ROUTES OF ENTRY: Inhalation, Ingestion, Injection, Absorption

POTENTIAL HEALTH EFFECTS

EYES:	May cause irritation
SKIN:	May cause irritation
INGESTION:	May cause irritation, nausea, stomach pain
INHALATION:	Irritation of mucous membrane

ACUTE HEALTH HAZARDS: See Above.

CHRONIC HEALTH HAZARDS: Not established

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Reported

CARCINOGENICITY:

OSHA:	Not Established
ACGIH:	Not Established
NTP:	Not Established
IARC:	Not Established
OTHER:	N/A

SECTION 2 NOTES:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT:	Nitrogen:	6%	
	P ₂ O ₅ :	24%	
	K ₂ O:	6%	
	Manganese:	> 1%	
	Zinc:	> 1%	
	Water	Balanced	
CAS NO.:	Ammonium Phosphate:	10361-65-6	} 72%
	Dipotassium Phosphate:	7758-11-4	
	Water	7732-18-5	28%
% WT:	100%		
% VOL:			
SARA 313 REPORTABLE:	N/A		
pmm:			
mg/m ³ :			
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 with plenty of water for 15 minutes. Seek medical attention if necessary.
SKIN:	Wash skin with mild soap and water. Flush skin for 15 minutes. If irritation persists, seek medical attention.
INGESTION:	Rinse mouth and drink lots of water. Do not induce vomiting. If spontaneous vomiting should occur, lean head below hips to prevent aspiration of liquid into lungs. Seek medical attention immediately.
INHALATION:	Remove to fresh air. If discomfort continues, seek medical attention.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:	N/A

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: (% BY VOLUME)	UPPER:	N/A
	LOWER:	N/A
FLASH POINT:	N/A	
METHOD USED:	N/A	
AUTOIGNITION TEMPERATURE:	N/A	
NFPA HAZARD CLASSIFICATION:		
HEALTH:	0	
FLAMMABILITY:	0	
REACTIVITY:	0	
OTHER:	None	
HMIS HAZARD CLASSIFICATION		
HEALTH:	0	

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FLAMMABILITY: 0
REACTIVITY: 0

PROTECTION:

EXTINGUISHING MEDIA: N-P-K solutions are non-flammable. If involved in a fire, use water or media 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, it may promote eutrophication in waterways. In the case of a spill, contain spill and maximize recovery. Mop up promptly or absorb using inert materials (sand/earth) and place in metal or plastic containers. Reuse material if possible or dispose of material properly.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in suitable containers made of mild steel, plastic fiberglass, or stainless steel. Avoid containers, piping, or fittings made of aluminum, copper-containing alloys, or galvanized metal. Make sure container is tightly closed when not in use. Store in a cool, dry, and well-ventilated area and away from incompatible substances.

OTHER PRECAUTIONS: General safety and industrial hygienic practices should always be followed. Remove contaminated clothing and wash before reuse.

SECTION 7 NOTES:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Use adequate general and local exhaust ventilation to keep airborne concentrations below exposure limits.
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:	Wear waterproof apron if splash or spill is likely
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	N/A
WORK HYGIENIC PRACTICES:	Wash hands thoroughly after handling.
EXPOSURE GUIDELINES:	See Section 3.

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear 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 (H ₂ O = 1)	1.34
EVAPORATION RATE:	N/A
BASIS (=1):	
SOLUBILITY IN WATER:	Complete
PERCENT SOLIDS BY WEIGHT:	72%
PERCENT VOLATILE:	N/A
BY WT	
BY VOL @F°:	

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C°:

VOLATILE ORGANIC COMPOUNDS (VOC): 0%
WITH WATER LBS/GAL:
WITHOUT WATER LBS/GAL:

MOLECULAR WEIGHT: N/A

VISCOSITY: Same as water

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.	
HAZARDOUS POLYMERIZATION:	Will not occur	
CONDITIONS TO AVOID (POLYMERIZATION):	N/A	

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No data established for this product. For major ingredients:

Ammonium Phosphate – LD50 (Oral, Rat): 1870 mg/kg

Potassium Phosphate – LD50 (Oral, Rat): 4640 mg/kg
LD50 (Dermal, Rabbit): 7950 mg/kg

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not allow to enter drinking water. This product is a fertilizer solution. Release of large quantities into a body of water can substantially alter the nutrient composition which can affect aquatic plants, fish and animal life. It may lead to eutrophication and algae blooms.

No data established for this product. For major ingredients:

Ammonium Phosphate – LC50 (Rainbow Trout, 96 hr): 101 mg/L
LC50 (Oncorhynchus mykiss, 96 hr): > 85.9 mg/L

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.

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RCRA HAZARD CLASS: N/A

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION/TRANSPORT CANADA:

PROPER SHIPPING NAME: 6-24-6

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT:

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

WATER TRANSPORTATION:

PROPER SHIPPING NAME: 6-24-6

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS:

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

AIR TRANSPORTATION

PROPER SHIPPING NAME: 6-24-6

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS:

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

OTHER AGENCIES:

SECTION 14 NOTES:

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:

CANADA FEDERAL REGULATIONS:

WHMIS CLASSIFICATIONS: Not Regulated

DSL (Domestic Substance List): Ammonium Phosphate: 10361-65-6 Yes

Dipotassium Phosphate: 7758-11-4 Yes

SECTION 15 NOTES:

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION: Technical Services Department

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