



SAFETY DATA SHEET

Name of Product:

ALPINE K20-S™

Product #: F 197
Revision Date: June 22, 2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ALPINE K20-S
SYNONYMS: 3-0-20-8S-.2B-.05Ca-.1Mn
PRODUCT CODES: F000197

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

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

CHEMICAL NAME: Mixture
CHEMICAL FAMILY: Mixed fertilizer
CHEMICAL FORMULA: N/A

PRODUCT USE: Agricultural fertilizer

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

ACUTE HEALTH HAZARD: Not known.

CHRONIC HEALTH HAZARDS: Not known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown.

CARCINOGENICITY: Not determined.

SECTION 2 NOTES:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Contains no hazardous materials as per 29 CFR 1910.100 (Subpart Z).

SARA 313 REPORTABLE: N/A

OSHA PEL-TWA: Not determined
OSHA PEL STEL: Not determined
OSHA PEL CEILING: Not determined
ACGIH TLV-TWA: Not determined
ACGIH TLV STEL: Not determined
ACGIH TLV CEILING: Not determined

SECTION 3 NOTES:

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SECTION 4: FIRST AID MEASURES

EYES: Wash eyes thoroughly with water for at least 15 minutes. Seek medical attention.
SKIN: Thoroughly wash with water. Seek medical if irritation develops.
INGESTION: Causes irritation to the digestive and respiratory tract. Drink plenty of water. Seek medical attention.
INHALATION: Generally not considered an inhalation hazard.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: Not flammable.

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

HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
PROTECTION:

EXTINGUISHING MEDIA: Suitable for surrounding fire

SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, use an approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: High temperatures due to fire cause this material to decompose releasing oxides of carbon or nitrogen.

HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, SO_x or NO_x can be generated at high temperatures. SCBA should be used if involved in fire.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Confine the spill to a diked area or sump, if possible, and recover as much of the liquid as possible. Place in suitable containers.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in suitable containers made of plastic, mild steel, fiberglass, or stainless steel. Always use good safety and industrial hygienic practices.

SECTION 7 NOTES:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION: Not generally required under normal use.

RESPIRATORY PROTECTION: Respiratory protection is not normally required unless excessive heat or reaction occurs resulting in release of CO_x, SO_x or NO_x. In enclosed spaces, these oxides can displace oxygen causing possible suffocation, thus use self-contained breathing apparatus. Do not use air purifying respirators.

EYE PROTECTION: Safety goggles and face shield.

SKIN PROTECTION: Rubber or plastic gloves

WORK HYGIENIC PRACTICES: Good safety hygienic practices are always prudent.

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear nearly colorless/yellow liquid.

ODOR: No odor/slight odor.

PHYSICAL STATE: Liquid

pH: 8.4 – 9.4

BOILING POINT: Not determined.

MELTING POINT: N/A

FREEZING POINT: Not determined.

VAPOR PRESSURE (mmHg): N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 1.35

DENSITY, LBS/GAL: 11.25

EVAPORATION RATE: Unknown

SOLUBILITY IN WATER: Miscible

VOLATILE ORGANIC COMPOUNDS (VOC): None

MOLECULAR WEIGHT: N/A

VISCOSITY: Not determined.

SECTION 9 NOTES:

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SECTION 10: STABILITY AND REACTIVITY

	STABLE	UNSTABLE
STABILITY:	x	
CONDITIONS TO AVOID (STABILITY):	Low pH, <6	
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong acids.	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	CO _x , SO _x or NO _x may be generated under extreme heat conditions or exposure to strong acids.	
HAZARDOUS POLYMERIZATION: N/A		
CONDITIONS TO AVOID (POLYMERIZATION):	N/A	
SECTION 10 NOTES:		

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not tested.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not allow entry into drinking water. This product is a nutrient solution and thus will can promote eutrophication in water systems.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Reclaim and reuse as much as possible. Dispose in accordance with all federal, state and local regulations.

RCRA HAZARD CLASS: N/A

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION/TRANSPORT CANADA:

PROPER SHIPPING NAME: Liquid fertilizer solution

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT:

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

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WATER TRANSPORTATION:

PROPER SHIPPING NAME: Liquid fertilizer solution

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: Liquid fertilizer solution

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS:

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

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: N/A

CANADA FEDERAL REGULATIONS:

WHMIS CLASSIFICATIONS: Not Regulated

DSL (Domestic Substance List): Acetic acid, potassium salt: 127-08-2 Yes

Thiosulfuric acid, dipotassium salt: 10294-66-3 Yes

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: Technical Services

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