

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least			Not regulated by the U.S. DOT as a hazardous material. See Section 14 for additional information.	
1	Slight	1	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
Product Name(s):	Gainer 0-50-30
EPA Registration #:	Exempt
Product ID/Unity #:	10015785
Common Name:	Potassium and Phosphate fertilizer with micronutrients
Chemical Description:	Monopotassium phosphate based fertilizer
Recommended Uses:	Fertilizer product – See product label for recommended uses and use rates
Restrictions for Use:	See product label for any potential restrictions on the use of this product.
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW: Causes eye irritation. May cause mild skin irritation and mild respiratory tract irritation.			
POTENTIAL HEALTH EFFECTS:			
Eyes: Causes moderate but temporary eye irritation.			
Skin: May cause mild skin irritation after prolonged exposure.			
Inhalation: May cause mild irritation of the upper respiratory tract.			
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.			
Preexisting Conditions: Preexisting skin and respiratory conditions may be aggravated by exposure.			
Chronic Health Effects: None known			
Carcinogenicity	NTP: Not listed	IARC: Not listed	OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Eye Irritation - Category 2B			
SIGNAL WORD: WARNING			
HAZARD STATEMENTS:			
Causes eye irritation.			
Percent of product with unknown toxicity: 0.75%			
PRECAUTIONARY STATEMENTS:			
Prevention:	Wash hands thoroughly after handling.		
Response:	If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.		
Storage:	See Section 7 for storage information.		
Disposal:	See Section 13 for disposal information.		

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Monopotassium phosphate	88.0 – 91.0%	7778-77-0
Monoammonium phosphate	6.0 – 7.0%	7722-76-1
Manganese EDTA	<0.5%	15375-84-5
Copper EDTA	<0.4%	14025-15-1
Zinc EDTA	<0.4%	14025-21-9
*Ingredients not specifically listed are non-hazardous and/or are considered to be confidential business information under 29 CFR 1910.1200(j).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES	
Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
Ingestion:	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if irritation persists.

SECTION 5: FIRE FIGHTING MEASURES	
Suitable Extinguishing Media:	Use extinguishing method suitable for surrounding fire.
Special Fire Fighting Procedures:	Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
Hazardous Combustion Products:	May include oxides of nitrogen, oxides of sulfur, oxides of phosphorous, and ammonia.
Unusual Fire and Explosion Hazards:	None known

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions:	Do not allow spilled product to enter sewers or waterways.
Methods for Containment:	Contain spilled product by sweeping up if a small spill or by diking area with sand or earth if a large spill.
Methods for Clean-up:	Avoid dust formation. Vacuum, scoop or sweep up material and place in a container for disposal. If product is uncontaminated, spilled material may be applied at the rate recommended on the label. Never return spills to original containers for re-use.
Other Information:	None known

SECTION 7: HANDLING AND STORAGE	
Handling:	Avoid breathing dust. Use only outdoors or in a well-ventilated area. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.
Storage:	Store in a cool, dry area away from children, feed and food products. Store away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire conditions.
Minimum Storage Temperature:	Not applicable
Other Precautions:	Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Particulates Not Otherwise Regulated	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/m ³ (respirable)	
Copper (dusts and mists)	1 mg/m ³	1 mg/m ³	1 mg/m ³
Respiratory Protection: If dust concentration exceeds permissible levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for general particulates.			
Engineering Controls: Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.			
Protective Gloves: Wear chemically protective gloves to prevent exposure to skin. Eye Protection: Wear chemical goggles or safety glasses and full face shield. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily available to the work area. Other Protective Clothing or Equipment: Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.			
Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Solid	Specific Gravity (H ₂ O=1):	Not determined
Vapor Pressure (mm Hg):	Not applicable	Density (lbs/gallon):	Not applicable
Vapor Density (Air=1):	Not applicable	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Not determined	Boiling Point/Range:	Not determined
Viscosity:	Not applicable	pH:	Not determined
Appearance and odor:	Granules	Flash Point:	Not determined

SECTION 10: STABILITY AND REACTIVITY	
Reactivity: None known	
Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling conditions.	
Possibility of Hazardous Reactions: Will not occur.	
Conditions to Avoid: None known	
Incompatible Materials: Strong oxidizing agents, strong acids and bases	
Hazardous Decomposition Products: May include oxides of nitrogen, oxides of sulfur, oxides of phosphorous, and ammonia.	

SECTION 11: TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY	
Eye Effects:	Causes moderate but temporary eye irritation.
Skin Effects:	LD50 >4,800 mg/kg (estimated)(rat)
Acute Inhalation Effects:	LC50 is not determined
Acute Oral Effects:	LD50 > 2,000 mg/kg (estimated)(rat)
Specific Target Organ Toxicity:	None known
CHRONIC TOXICITY	
Chronic Effects:	None known
Carcinogenicity:	None known
Mutagenicity:	None known
Teratogenicity:	None known
Reproductive Toxicity:	None known
POTENTIAL HEALTH EFFECTS:	
Eyes: Causes moderate but temporary eye irritation.	
Skin: May cause mild skin irritation after prolonged exposure.	
Inhalation: May cause mild irritation of the upper respiratory tract.	
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Not determined.	
ECOTOXICITY DATA:	
Fish Acute and Prolonged Toxicity:	Not determined
Aquatic Invertebrate Acute Toxicity:	Not determined
Aquatic Plant Toxicity:	Not determined
Bird Acute and Prolonged Toxicity:	Not determined
Honeybee Toxicity:	Not determined
ENVIRONMENTAL EFFECTS:	
Soil Absorption/Mobility:	Not determined
Persistence and degradability:	Not determined
Bioaccumulative Potential:	Not determined
Other adverse effects:	None known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste: Dispose of in accordance with applicable Federal, state and local laws and regulations.
Container: Ensure all product has been emptied from the sack/bag. Dispose of emptied container in accordance with applicable Federal, state and local laws and regulations.
RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

SECTION 14: TRANSPORT INFORMATION

DOT: (Ground)	This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment.
IMDG: (Sea)	Not determined
IATA: (Air)	Not determined
TDG: (Canada)	Not determined

SECTION 15: REGULATORY INFORMATION

TSCA Inventory: All components are listed or exempt from listing on the TSCA inventory.		
SARA Title III Information:		
Section 302 – Extremely hazardous substances:	None listed	
Section 311/312 – Hazard Categories:	Immediate (Acute)	
Section 313 – The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:		
Copper compounds (<0.4%); Manganese compounds (<0.5%); Zinc compounds (<0.4%)		
CERCLA – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):		
Copper compounds, manganese compounds and zinc compounds are all considered CERCLA hazardous substances though no RQs have been established.		
California Proposition 65: WARNING: This product contains a component known to the state of California to cause cancer and/or reproductive harm.		
U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):		
Chemical Name	CAS #	State(s)
Copper EDTA (copper compounds)	14025-15-1	NJ, PA
Manganese EDTA (manganese compounds)	15375-84-5	IL, MN, NJ, RI
Zinc EDTA (zinc compounds)	14025-21-9	IL, NJ
Canadian Domestic Substances List: Not determined		
WHMIS Classification: This product is not approved for use in Canada. WHMIS classification is not determined.		

SECTION 16: OTHER

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Sections Revised: All