

MATERIAL SAFETY DATA SHEET
Rackvantage™ Food Plot Enhancer

Manufacturer: Monty's® Plant Food Co., Inc.
Address: 4800 Strawberry Lane
 Louisville, KY 40209
Phone: (800) 978-6342

Analysis: Rackvantage™ Food Plot Enhancer
Date: January 29, 2013
Contact: David Chinn
Emergency #: (800) 978-6342

SECTION I - MATERIAL IDENTIFICATION			
CHEMICAL NAME AND SYNONYMS:	Nitrogen, phosphorus, potassium mixed fertilizer solution	TRADE NAME AND SYNONYMS:	Rackvantage Food Plot Enhancer N-P-K mixed liquid fertilizer
CHEMICAL FAMILY:	Inorganic salt	FORMULA:	Fertilizer salt complex

SECTION II - INGREDIENTS AND HAZARDS					
	%	Hazard Data	Typical Grade	%	Hazard Data
Total Nitrogen as N	4 – 5	N/A	4 – 5 – 3 0.07 B – 0.2 Zn		N/A
Total Phosphorus as P ₂ O ₅	5 – 6	N/A			
Total Potassium as K ₂ O	3 – 4	N/A			
Total Boron	0.07 – 0.12	N/A			
Total Zinc	0.2 – 0.7	N/A			
Balance: Water & trace impurities					

SECTION III - PHYSICAL DATA			
Boiling point at 1 atm, degree F	~212	Specific gravity (H ₂ O = 1)	1.35 – 1.55
Vapor pressure at (n/m Hg)	N/A	Evap. Rate (not applicable = 1)	Unknown
Vapor density (Alt = 1)	N/A	Volatiles, % by volume	N/A
Water solubility	Complete	Molecular weight	N/A
pH	7.0 – 8.0		
Appearance & Odor	Dark liquid, no apparent odor and/or very mild ammonia		

SECTION IV - FIRE AND EXPLOSION DATA			
Flash Point and Method	N/A	Autoignition Temp.	N/A
Flammability Limits	Lower	N/A	Upper
Extinguishing media: NPK solutions are non-flammable. If involved in a fire, use water.			
Special fire fighting procedures: None			
Unusual fire and explosion hazards: Oxides of nitrogen may be generated			

SECTION V - HEALTH HAZARD INFORMATION	
Effects of overexposure: Solutions are considered to be low health hazards	
FIRST AID:	
Eye Contact	Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, get medical attention.
Skin Contact	Flush skin immediately and thoroughly with water. If irritation persists, get medical attention. (Should only affect if allergic).
Inhalation	Use mask if a mist occurs. If irritation persists, seek medical attention.
Ingestion	If conscious, immediately give large quantities of water and induce vomiting. Get medical attention immediately.

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SECTION VI - REACTIVITY DATA

Stability	Stable	X	Conditions to avoid: When heated (e.g. in a fire) may give off ammonia gas.
	Unstable		
Incompatibility (Materials to avoid):		Water reactive materials, reducing agents	
Hazardous decomposition products:		Ammonia and carbon dioxide. Possibly carbon monoxide, sulfur dioxide, hydrocarbon and nitrogen oxides (NO, NO ₂ , N ₂ O ₄ , etc.).	
Hazardous Polymerization	May occur		Conditions to avoid: None
	Will not occur	X	

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

SPILLS, LEAKS: (Steps to be taken):	Since N - P - K is a fertilizer, it may promote eutrophication in waterways. In the case of spill, wear protective clothing, contain spill and maximize recovery. Mop up or pump up properly in metal or plastic containers.
WASTE DISPOSAL METHODS:	Disposal of N - P - K, fertilizer may be subject to federal, state, and local regulations. User of this product should review their operations in terms of applicable federal, state and local laws and regulations, then consult with an appropriate regulatory agent before discharging or disposing.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory protection (Specific Type)	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 mist respiration approved by NIOSH. Do not use single-use type.		
Ventilation:	Local Exhaust:	Adequate	Special: None
	Mechanical General:	Only if heated	Other: None
Protective Gloves:	Rubber gloves (only if allergies)	Eye Protection:	Safety glasses are recommended
Other protective equipment & precautions:		Eye wash	

SECTION IX - SPECIAL PRECAUTIONS AND COMMENTS

Storage and handling information:	No special
Other precautions:	None
DOT Class:	N/A

Judgment as to the suitability of the information herein for purchaser's purposes is necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Monty's Plant Food Co., Inc., extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purpose or for the consequences of its use.

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