

MATERIAL SAFETY DATA SHEET
MONTY'S - Award winning liquid plant food

Manufacturer: Monty's Plant Food Co., Inc. **Analysis:** Formula 4-15-12
Address: P.O. Box 22454, Louisville, KY 40222 USA **Date:** June 7, 2002
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SECTION I - MATERIAL IDENTIFICATION

CHEMICAL NAME AND SYNONYMS:	Nitrogen, phosphorus, potassium mixed fertilizer solution	TRADE NAME AND SYNONYMS:	Monty's Plant Food Monty's Joy Juice N - P - K mixed liquid fertilizer
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CHEMICAL FAMILY: Inorganic Salt **FORMULA:** Fertilizer Salt Complex

SECTION II - INGREDIENTS AND HAZARDS

	%	Hazard Data	Typical Grade	%	Hazard Data
Total Nitrogen as N	4 - 7	N / A	4 - 15 - 12		N / A
Total Phosphorus as P ₂ O ₅	15 - 18	N / A			N / A
Total Potassium as K ₂ O	12 - 15	N / A			N / A

Balance - Water & Trace impurities

SECTION III - PHYSICAL DATA

Boiling point at 1 atm, degree F	-212	Specific gravity (H ₂ O = 1)	1.3 – 1.5
Vapor pressure at (n/m Hg)	N/A	Evap. Rate (not applicable = 1)	
Vapor density (Alt = 1)	N/A	Volatiles, % by volume	N/A
Water solubility	Complete	Molecular weight	N/A
pH	6.5 - 7.9		
Appearance & Odor:	Dark liquid, no apparent odor and/or very mild ammonia		

SECTION IV - FIRE AND EXPLOSION DATA

			LOWER	UPPER
Flash Point and Method	Autoignition Temp.	Flammability Limits		
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Extinguishing media: N P K Solutions are non-flammable. If involved in a fire, use water.

Special fire fighting procedures: None

Unusual fire and explosion hazards: None

SECTION V - HEALTH HAZARD INFORMATION

Effects of overexposure: N P K 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:	Generally not considered an inhalation hazard.
Ingestion:	If conscious, immediately give large quantities of water and induce vomiting. Get medical attention immediately.

SECTION VI - REACTIVITY DATA	
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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

Hazardous decomposition products: Ammonia

Hazardous Polymerization	May occur		Conditions to avoid:
	Will not occur	X	

SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES	
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SPILLS, LEAKS: (Steps to be taken): Since N - P - K is a fertilizer, it may promote eutrophication in waterways. In the case of spill, 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	
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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:
	Mechanical General:	Only if heated	Other:

Protective Gloves: Rubber Gloves (only if allergies) Eye Protection: Safety glasses are recommended

Other protective equipment and precautions: Not generally required

SECTION IX - SPECIAL PRECAUTIONS AND COMMENTS	
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Storage and handling Information:

Other Precautions: None

DOT Class: Not Applicable

<p>Judgement as to the suitability of information herein for purchaser's purposes are 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 accuracy or suitability of such information for application to purchaser's intended purpose or for consequences of its use.</p>	<p><i>Monty's Joy Juice</i></p> <p><i>Plant Food for the</i></p> <p><i>Happy-Grow-Lucky</i></p>
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