

MAR 14 1997

MATERIAL SAFETY DATA SHEET

*g300A

PART I**1. PRODUCT IDENTIFICATION**

TRADE NAME (AS LABELED): MIRACLE-GRO ALL-PURPOSE PLANT FOOD (15-30-15)
 CHEMICAL NAMES, COMMON NAMES: NONE/MIXTURE
 SYNONYMS: NONE/MIXTURE

MANUFACTURERS NAME: SCOTT'S MIRACLE-GRO PRODUCTS, INC.
 ADDRESS: 800 PORT WASHINGTON BOULEVARD, PORT WASHINGTON, NY 11050
 EMERGENCY TELEPHONE: 800-645-8166
 BUSINESS TELEPHONE: 516-883-6550

2. COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	EXPOSURE LIMITS IN AIR				
		ACGIH		OSHA		
		TLV mg/ m ³	STEL mg/ m ³	PEL mg/ m ³	STEL mg/ m ³	IDLH mg/ m ³
Monoammonium Phosphate	7722-76-1	10	---	15	---	---
Potassium Chloride	7447-40-7	10	---	15	---	---
Urea	57-13-6	10	---	15	---	---
Diammonium Phosphate	7783-28-0	10	---	15	---	---
Iron EDTA	6789-88-2	5	---	10	---	---
Remainder: Each Component < 1%	(--- = no information available)					

3. HAZARD INFORMATION

EMERGENCY OVERVIEW: This product is non-combustible but may decompose during a fire releasing toxic gases.

SYMPTOMS OF OVER EXPOSURE BY ROUTE OF EXPOSURE:

INHALATION: Inhalation of dust may result in irritation of nose and throat, although this is unlikely due to the normal moisture content of the product.

CONTACT WITH SKIN OR EYES: Skin contact may result in irritation to susceptible persons. Eye contact may cause slight, temporary irritation.

SKIN ABSORPTION: Product may skin absorb, particularly through breaks in skin causing irritation.

INGESTION: May cause slight, temporary stomach upset.

INJECTION: Not Applicable.

HEALTH EFFECTS OR RISKS FROM EXPOSURE:

ACUTE: Exposure may result in slight eye, respiratory track, and/or gastro-intestinal irritation.

CHRONIC: Skin irritation to susceptible persons may develop after prolonged contact.

PART II

4. FIRST AID MEASURES

If spilled on skin and irritation occurs, wash with soap and water. If in contact with eyes, promptly flush with water for at least 15 minutes. If dust is inhaled, remove victim to fresh air.

If product is swallowed, give patient ample water. If necessary, call physician or local Poison Control Center. NEVER GIVE WATER TO SOMEONE WHO IS UNCONSCIOUS OR WHO CANNOT SWALLOW.

5. FIRE-FIGHTING MEASURES

FLASH POINT, °F (Method): Non-Combustible

AUTOIGNITION TEMPERATURE, °F: Not Applicable

FLAMMABLE LIMITS in dry air by volume, %: Non-Combustible

HMIS

Health: 1

Flammability: 0

Reactivity: 0

Personal Protective Equipment: A

NFPA

Health: 1

Flammability: 0

Reactivity: 0

Other: IRR

FIRE EXTINGUISHING MATERIALS:

Water Spray: OK

Dry Chemical: OK

Carbon Dioxide: OK

Sand: OK

Fine Earth: OK

SPECIAL FIRE-FIGHTING PROCEDURES: Exposure to fire may create toxic fumes and vapors including ammonia, cyanuric acid, cyanic acid, and nitrogen oxides. Evacuate area. Fire-fighters must wear self-contained breathing apparatus. Flood with water to cool containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic combustion products may be released. When heated to decomposition, this product may emit toxic fumes containing oxides of nitrogen, carbon, sulfur, ammonia, cyanuric acid, cyanic acid, and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

SPILL and LEAK RESPONSE: Avoid dusting conditions during clean-up. If uncontaminated, collect and reuse according to label directions. If contaminated, collect in appropriate container and dispose of properly according to local, state, and Federal regulations. After clean-up flush affected areas with water. This product is a plant food. However, large spills could possibly kill vegetation or cause illness to animals. Contamination of waterways may kill fish. Prevent large quantities from contacting vegetation or waterways. Keep animals away from large spills.

PART III

7. HANDLING and STORAGE

WORK PRACTICES and HYGIENIC PRACTICES: Avoid getting product on you or in you. Wash hands with soap and water after handling product. Follow specific use instructions supplied with product. Mix only with plain, clear water in clean container. DO NOT MIX IN CONTAINERS PREVIOUSLY USED FOR HERBICIDES, PESTICIDES, ETC.

STORAGE and HANDLING PRACTICES: Store in cool, dry area in closed container or package to minimize moisture pick-up and contamination. Do not expose to high heat sources. Store away from incompatible materials, feed, foodstuffs, and household cleaners.

PROTECTIVE PRACTICES DURING CLEANING OF APPLICATION EQUIPMENT: Follow practices indicated above. Rinse all equipment after use. Collect all rinse water and apply to appropriate lawn/garden areas.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Not generally required.

RESPIRATORY PROTECTION: Not generally required.

EYE PROTECTION: Safety glasses with side shields are recommended.

HAND PROTECTION: Not generally required; however, if contact results in skin irritation, use gloves.

BODY PROTECTION: Not generally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY: Non-volatile

SPECIFIC GRAVITY: 0.80

SOLUBILITY IN WATER: 28 gms./100mls. water

VAPOR PRESSURE: Non-volatile

APPEARANCE AND COLOR: Granular with blue/green color.

HOW TO DETECT THIS SUBSTANCE: Slight ammonia odor.

EVAPORATING RATE: Not Applicable

MELTING POINT/RANGE: 271°F - 1423°F

BOILING POINT, °C: Not Applicable

10. STABILITY AND REACTIVITY

STABILITY: Stable at normal temperatures.

CONDITIONS TO AVOID: Excessive heat, contact with strong alkalis, oxidizers and reducing agents, fuels, and other combustible materials.

MATERIALS WITH WHICH PRODUCT IS INCOMPATIBLE: Strong oxidizing (permanganate, dichromate, chlorine, etc.) and reducing agents, sodium nitrite and many chlorine compounds (including pool chemicals, household bleach and other cleaning products). Active metals such as aluminum and magnesium.

PART IV

11. TOXICOLOGICAL INFORMATION

NONE - Not Applicable.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL STABILITY: No known environmental instability caused by this product.

EFFECT OF MATERIAL ON PLANTS OR ANIMALS: No known adverse effect on animals. Highly beneficial to plant life.

EFFECT OF PRODUCT ON AQUATIC LIFE: No known adverse effects.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTE FOR DISPOSAL: Waste disposal must be in accordance with Federal, state, and local regulations. This product may be disposed of by using as any agricultural fertilizer, if not contaminated with material incompatible with plant life.

14. TRANSPORTATION INFORMATION

DOT Classification: Not hazardous

UN Register: None

15. REGULATORY INFORMATION

SARA REPORTING REQUIREMENTS: None

TSCA INVENTORY STATUS: Not Applicable

CALIFORNIA PROPOSITION 65: Not Applicable

CERCLA REPORTABLE QUANTITIES (RQ): None

STATE REGULATORY INFORMATION: None

LABELING (Precautionary Statements): None

16. OTHER INFORMATION

PREPARED BY:

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DATE OF PREPARATION:

June, 1996

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