



# Monty's ProtoColl 8 SAFETY DATA SHEET

Date Prepared 10-21-2024  
(Updated 12.11.25 DD)

## SECTION 1 ± CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier** ProtoColl 8 (8-18-2), Liquid Fertilizer, Liquid Plant Food  
**General Use** Starter Fertilizer, Row Fertilizer, Soil Amendment

**Manufacturer's Name** Monty's Plant Food, LLC

**Emergency Telephone Number:** 800-978-6342

**Address** 4800 Strawberry Ln., Louisville, KY 40209

**Phone Number for Additional Information** (502) 489-9888

## SECTION 2 ± COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
Dipotassium hydrogen phosphate	7758-11-4	10% to 20%
Diammonium hydrogen phosphate	7783-28-0	10% to 20%
Urea	57-13-6	5% to 10%
Ammonium polyphosphate	68333-79-9	40% to 50%

See Section 8 for exposure guidelines.

## SECTION 3 ± HAZARDS IDENTIFICATION

### – EMERGENCY OVERVIEW –

**May be harmful if swallowed. May irritate eyes, skin and respiratory system.**

### Potential Health Effects Based on Individual Components (May Vary Among Individuals)

**Eyes:** Liquid, fumes, mist, or vapors may cause irritation.

**Skin:** May cause irritation.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May cause moderate irritation to respiratory tract (mouth, nose, throat and lungs).

### Medical conditions aggravated by exposure:

None known

Chronic effects: Not known to contain component(s) at 0.1% or greater listed as a carcinogen or possible carcinogen.

## SECTION 4 ± PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid	Solubility in Water:	Complete
Color:	Dark brown to black	Specific Gravity (Water = 1):	1.35
Odor:	Slight ammonia odor	Evaporation Rate (Butyl Acetate = 1):	< 1
Boiling Range:	> 212°F	1): Vapor Pressure (mm Hg):	Not determined
Freezing point	-15°C/5°F		
pH:	6.6-6.9	Vapor Density (Air = 1):	> 1

## SECTION 5 ± ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURE:** Use personal protection recommended in Section 8. Ventilate area thoroughly. Stay upwind. Isolate area from unprotected personnel. Dike to prevent spill from spreading. Collect with compatible absorbent material and place in metal container with tight fitting cover. Floor may be slippery – use care and clean thoroughly. Keep out of sewer, septic system, ground water and open waters. Notify federal, state and local authorities as applicable.

**SECTION 6 ± FIRE FIGHTING MEASURES**

**FLASH POINT:** Non-combustible.

**EXTINGUISHING MEDIA:** As appropriate for surrounding materials.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water, dry chemical, CO<sub>2</sub>, or foam as appropriate for surrounding fire. Use water spray to cool containers. Firefighters should use approved self-contained breathing apparatus and full turn-out (Bunker) gear when fighting fires involving chemicals, to protect against possible toxic fumes or vapors. Cool and use caution when approaching fire-exposed containers.

**SECTION 7 ± FIRST AID MEASURES**

**EYES:** Immediately flush the contaminated eye(s) with clean, lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens until after flushing is complete. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

**SKIN:** Remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes, and leather goods before reuse, or discard.

**INGESTION:** Never give anything by mouth to a victim who is rapidly losing consciousness, is unconscious, or is convulsing. Have victim rinse mouth thoroughly with water. Do NOT induce vomiting. Have victims drink a glass of water (2 to 8 ounces or 60 to 240 mL). Immediately obtain medical attention.

**INHALATION:** If symptoms are experienced, remove sources of contamination or move victim to fresh air. Obtain medical advice.

**SECTION 8 ± PERSONAL PROTECTION / EXPOSURE CONTROLS**

**ENGINEERING CONTROLS:** Provide sufficient general and local exhaust ventilation to maintain safe exposure levels. Take measures to minimize exposure. Provide a source of clean water for flushing eyes and skin.

**EYE PROTECTION REQUIREMENTS:** Use ANSI-approved eye protection (e.g. safety glasses, goggles) as required by work conditions. Use ANSI-approved chemical splash goggles and face shield if splashing may occur.

**SKIN PROTECTION REQUIREMENTS:** Chemical-resistant gloves and clothing, as needed, to prevent skin contact. Wash hands before eating, drinking or smoking.

**RESPIRATORY PROTECTION:** Off gassing of ammonia may occur - DO NOT breathe ammonia vapors. Boiling may produce irritating vapors. If mists or ammonia are generated without adequate ventilation, wear a NIOSH-approved air purifying respirator with ammonia vapor cartridges and dust/mist pre-filters.

**AIRBORNE EXPOSURE LIMITS**

Components	OSHA PEL/TWA	ACGIH TLV/TWA	STEL
<b>Definitions:</b>			
PEL	=	Permissible Exposure Limit	
TLV	=	Threshold Limit Value	
TWA	=	Time-weighted average (8-hour day)	
STEL	=	Short term exposure limit (15 minutes), no more than 60 min./day	
(c)	=	Ceiling (not to be exceeded under any condition)	
(s)	=	Skin	

**SECTION 9 ± HANDLING AND STORAGE**

**STORAGE TEMPERATURE:** Store above -40°F and below 100°F.

**HANDLING AND STORAGE PRECAUTIONS:** Do not freeze. Use personal protection recommended in Section 8. Open containers slowly in case of pressure accumulation. Protect from direct sunlight. Store in dry, cool, ventilated area in tightly closed containers out of the reach of children. Do not store on side. Avoid creasing or impacting container sidewalls. Empty containers may be hazardous. Do not eat, drink or smoke in chemical use or storage areas. Wash hands after handling and before eating, drinking or smoking. Do not rub eyes with soiled hands. See Section 10 for metals or other materials to avoid.

**SECTION 10 ± REACTIVITY**

<b>Stability:</b>	Stable under anticipated storage and handling conditions.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibilities (Materials to Avoid):</b>	Avoid oxidizing materials and metals such as aluminum, carbon steel, copper, copper alloys, zinc, and nickel. Contact with steel or aluminum produces flammable hydrogen.
<b>Hazardous Decomposition Products:</b>	Ammonia, carbon monoxide, carbon dioxide, nitrogen oxides and phosphorus oxides.

**SECTION 11 ± REGULATORY INFORMATION**

California Proposition 65 statement: This product does NOT contain chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

This product contains the following chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372): Ammonia: 1% to 5%.

This product contains the following chemical(s) subject to the reporting requirements of SARA Title III, Section 302 (40 CFR Part 372): Ammonia: 1% to 5%.

This product contains the following chemical(s) subject to the reporting requirements of SARA Title III, Section 304 (40 CFR Part 372): Ammonia: 1% to 5%.

CERCLA RQ = 100 lbs. (Ammonia); CERCLA RQ = 5,000 lbs. (Phosphoric acid).

Regulated by the Department of Agriculture for storage, use and leaks or spills.

**SECTION 12 ± DISPOSAL CONSIDERATIONS**

Recycle or dispose of contents and empty containers according to federal, state and local regulations. Keep out of trash, water, sewer and drainage systems, except when used as intended.

**SECTION 13 ± ECOLOGICAL INFORMATION**

Product not tested as a whole. Refer to Section 5 for information regarding accidental releases. Keep out of trash, water, sewer and drainage systems, except when used as intended.

**SECTION 14 ± TOXICOLOGICAL INFORMATION**

Product not tested as a whole. Refer to Section 3 for potential health effects.

**SECTION 15 ± TRANSPORTATION INFORMATION**

Not a DOT Hazardous Material.

**SECTION 16 ± OTHER INFORMATION**

All Safety Data Sheets reviewed for composition and regulatory status. Section 2, Section 3, and Section 11 were updated.

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