



SAFETY DATA SHEET

Issue Date: 23-Oct-2024

Revision Date: 23-Oct-2024

Version 1.00

1. Identification

Product identifier

Product Name: Monty's ProtoColl 7-16-7

Other means of identification

Product Code: 808043

Recommended use of the chemical and restrictions on use

Recommended Use: Agricultural Applications

Restrictions on Use: None known

Details of the supplier of the safety data sheet

Manufacturer: Monty's Plant Food Co., Inc.
4800 Strawberry Ln.
Louisville, KY 40209
(502) 489-9888

Emergency telephone number

Emergency Telephone: 1-502-489-9888

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Signal word: Warning

Hazard statements:

Causes skin irritation

Causes serious eye irritation



Precautionary Statements - Prevention:

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/eye protection/face protection

Precautionary Statements - Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

Unknown Acute toxicity: Not applicable

Other Information

Not applicable

3. Composition/information on ingredients

Chemical name	CAS No.	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%
Urea Phosphate	4861-19-2	5% to 10%
Trade Secret 5	Trade secret	Proprietary

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms

Redness. May cause redness and tearing of the eyes.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media

Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Carbon oxides. Phosphorus oxides. Nitrogen oxides (NO_x). Potassium Oxides.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods for cleaning up Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong acids. Strong bases. Strong oxidizing agents. Calcium hypochlorite. Sodium hypochlorite. Sodium nitrite.

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls	Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.
General hygiene considerations	Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State:	Liquid
Appearance:	Colloidal
Color:	Dark Brown to Black
Odor:	Earthy
Odor Threshold:	No information available

pH:

pH Range:	7.2-7.5
Salt Out Point:	No information available
Melting Point/Freezing Point:	-29 °C / -20 °F
Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Evaporation Rate (BuAc=1):	No information available
Flammability (solid, gas):	No information available
Flammability Limits in Air:	No information available
Vapor Pressure (mm Hg):	No information available
Vapor density (Air =1):	No information available
Specific Gravity (H₂O=1):	1.37
Water Solubility:	No information available
Solubility(ies):	Complete (100%)
Partition Coefficient (n-octanol/water):	No information available
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Kinematic Viscosity:	No information available
Dynamic Viscosity:	No information available

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Molecular Weight:	N/A

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Hygroscopic.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Exposure to air or moisture over prolonged periods.
Incompatible Materials	Strong acids. Strong bases. Strong oxidizing agents. Calcium hypochlorite. Sodium hypochlorite. Sodium nitrite.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NO_x). Phosphorus oxides. Potassium Oxides.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes serious eye irritation.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes.

Numerical measures of toxicity**Acute Toxicity:**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	9,990.10 mg/kg
ATEmix (dermal)	13,713.65 mg/kg

Component Information

Chemical name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Dipotassium phosphate	-	> 5000 mg/kg (Rabbit)	-
Diammonium phosphate	> 2000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5 mg/L (Rat) 4 h
Urea	= 8471 mg/kg (Rat)	Not listed	Not listed
Urea Phosphate	> 2000 mg/kg (Rat)	Not listed	Not listed

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Irritating to eyes.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Other Adverse Effects:	No information available.

12. Ecological information

Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and Degradability:	No information available.
Bioaccumulation:	There is no data for this product.
Mobility:	No information available.
Other Adverse Effects:	No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local, state, and national regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

14. Transport information

DOT

Description

Not DOT Regulated

15. 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) : Diammonium hydrogen phosphate 10% to 20%.

This product contains the following chemical(s) subject to the reporting requirements of SARA Title III, Section 302 (40 CFR Part 372) : Diammonium hydrogen phosphate 10% to 20%.

This product contains the following chemical(s) subject to the reporting requirements of SARA Title III, Section 304 (40 CFR Part 372) : Diammonium hydrogen phosphate 10% to 20%.

CERCLA RQ = 111 lbs (Diammonium hydrogen phosphate)

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

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16. Other information**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet