



# SAFETY DATA SHEET

Issue Date: 05-Oct-2020

Revision Date: 15-Jul-2021

Version 2

## 1. Identification

### Product identifier

Product Name: Monty's All Purpose Growth

### Other means of identification

Product Code: 57990

### Recommended use of the chemical and restrictions on use

Recommended Use: Agricultural Applications or Further Manufacturing Use

Restrictions on Use: None known

### Details of the supplier of the safety data sheet

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

### Emergency telephone number

Emergency Telephone: 1-502-489-9888

## 2. Hazard(s) identification

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

Signal word: None

### Hazard statements:

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Unknown Acute toxicity: Not applicable

### Other Information

Not applicable

## 3. Composition/information on ingredients

| Chemical name   | CAS No       | Weight-%    |
|-----------------|--------------|-------------|
| Trade Secret 1  | Trade secret | Proprietary |
| Trade Secret 2  | Trade secret | Proprietary |
| Trade Secret 3  | Trade secret | Proprietary |
| Trade Secret 4  | Trade secret | Proprietary |
| Trade Secret 5  | Trade secret | Proprietary |
| Trade Secret 6  | Trade secret | Proprietary |
| Trade Secret 7  | Trade secret | Proprietary |
| Trade Secret 8  | Trade secret | Proprietary |
| Trade Secret 9  | Trade secret | Proprietary |
| Trade Secret 10 | Trade secret | Proprietary |

If CAS number is "proprietary", the specific chemical identity and percentage of composition 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. If symptoms persist, call a physician. Overexposure may be irritating to the respiratory system.

###### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time.

###### Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. Destroy or thoroughly clean contaminated shoes. Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Chemical burns must be treated promptly by a physician.

###### Ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

##### Most important symptoms and effects, both acute and delayed

###### Symptoms

No information available.

##### 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

Contact with metals may evolve flammable hydrogen gas. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Do not allow run-off from fire-fighting to enter drains or water courses.

##### Hazardous combustion products

Carbon oxides. Phosphorus oxides. Nitrogen oxides (NO<sub>x</sub>). Potassium Oxides. Ammonia. Oxides of sulfur. Hazardous metal fumes and oxides. Cyanuric acid.

##### 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** Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**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.

### Conditions for safe storage, including any incompatibilities

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

**Incompatible Materials** Reducing agent. Strong oxidizing agents, strong acids, and strong bases. Sodium hypochlorite. Metals. Peroxides. Chlorinated compounds. Halogens.

**Packaging materials** Avoid containers, piping or fittings made of brass, bronze, or other copper bearing alloys or galvanized metal.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

| Chemical name  | ACGIH TLV                   | OSHA PEL                              | NIOSH IDLH                  |
|----------------|-----------------------------|---------------------------------------|-----------------------------|
| Trade Secret 6 | TWA: 1 mg/m <sup>3</sup> Fe | (vacated) TWA: 1 mg/m <sup>3</sup> Fe | TWA: 1 mg/m <sup>3</sup> Fe |

### 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.

**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** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

**Physical State:** Liquid  
**Appearance:** Opaque  
**Color:** Brown to black  
**Odor:** No information available  
**Odor Threshold:** No information available

#### pH:

**pH Range:** 6.5-7.5 (neat)  
**Salt Out Point:** No information available  
**Melting Point/Freezing Point:** No information available  
**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 (H<sub>2</sub>O=1):** 1.344  
**Water Solubility:** No information available  
**Solubility(ies):** No information available  
**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** Reacts with nitrites, inorganic chlorides, chlorites, perchlorates, and strong oxidizers to generate heat, fire or explosions, or release toxic fumes.

**Chemical stability** Hygroscopic. Decomposes on heating. When heated, urea releases ammonia, nitrogen oxides, and cyanuric acid.

**Possibility of hazardous reactions** If mixed with chlorine or hypochlorites, it may form nitrogen trichloride which may explode spontaneously in air. Urea will form urea nitrate when mixed with nitric acid at low pH.

**Conditions to avoid** Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods.

**Incompatible Materials** Reducing agent. Strong oxidizing agents, strong acids, and strong bases. Sodium hypochlorite. Metals. Peroxides. Chlorinated compounds. Halogens.

**Hazardous decomposition products** Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Metal oxides. Phosphorus oxides. Potassium Oxides. Ammonia. Sulfur oxides. Cyanuric acid.

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

|              |                                                                   |
|--------------|-------------------------------------------------------------------|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion    | Specific test data for the substance or mixture is not available. |

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Numerical measures of toxicity

#### Acute Toxicity:

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

|                 |                 |
|-----------------|-----------------|
| ATEmix (oral)   | 6,367.20 mg/kg  |
| ATEmix (dermal) | 10,938.69 mg/kg |

#### Component Information

| Chemical name   | Oral LD <sub>50</sub> : | Dermal LD <sub>50</sub> : | LC <sub>50</sub> (Lethal Concentration): |
|-----------------|-------------------------|---------------------------|------------------------------------------|
| Trade Secret 1  | -                       | > 5000 mg/kg ( Rabbit )   | -                                        |
| Trade Secret 2  | = 3200 mg/kg ( Rat )    | -                         | > 0.83 mg/L ( Rat ) 4 h                  |
| Trade Secret 3  | > 2000 mg/kg ( Rat )    | > 5000 mg/kg ( Rabbit )   | > 5 mg/L ( Rat ) 4 h                     |
| Trade Secret 4  | = 5750 mg/kg ( Rat )    | > 7940 mg/kg ( Rabbit )   | -                                        |
| Trade Secret 7  | = 1950 mg/kg ( Rat )    | > 2000 mg/kg ( Rabbit )   | -                                        |
| Trade Secret 9  | = 8471 mg/kg ( Rat )    | -                         | -                                        |
| Trade Secret 10 | > 90 mL/kg ( Rat )      | -                         | -                                        |

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

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**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.

| Chemical name  | Toxicity to algae | Toxicity to fish                                                                                                                                                                                              | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|----------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------|
| Trade Secret 3 | -                 | 26.5 mg/L (LC50 96 h - Oncorhynchus mykiss)<br>24.8 - 29.4 mg/L (LC50 96 h flow-through - Oncorhynchus mykiss)<br>3.3 mg/L (LC50 96 h - Pimephales promelas) 33 mg/L (LC50 96 h static - Pimephales promelas) | -                          | -                                                   |
| Trade Secret 4 | -                 | 85.9 mg/L (LC50 96 h static - Oncorhynchus mykiss)                                                                                                                                                            | -                          | -                                                   |
| Trade Secret 9 | -                 | 16200 - 18300 mg/L (LC50 96 h - Poecilia reticulata)                                                                                                                                                          | -                          | 3910 mg/L (EC50 48 h Static - Daphnia magna)        |

**Persistence and Degradability:** No information available.

**Bioaccumulation:** There is no data for this product.

### Component Information

| Chemical name  | Partition Coefficient: |
|----------------|------------------------|
| Trade Secret 9 | -1.59                  |

**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

### International Inventories

| Chemical name  | TSCA    | AICS    | DSL     | NDSL | EINECS  | ELINCS | ENCS    | IECSC   | KECL    | PICCS   |
|----------------|---------|---------|---------|------|---------|--------|---------|---------|---------|---------|
| Trade Secret 1 | Present | Present | Present | -    | Present | -      | Present | Present | Present | Present |

|                 |                   |         |         |         |         |   |         |         |         |         |
|-----------------|-------------------|---------|---------|---------|---------|---|---------|---------|---------|---------|
|                 | ACTIVE            |         |         |         |         |   |         |         |         |         |
| Trade Secret 2  | Present<br>ACTIVE | Present | Present | -       | Present | - | Present | Present | Present | Present |
| Trade Secret 3  | Present<br>ACTIVE | Present | Present | -       | Present | - | Present | Present | Present | Present |
| Trade Secret 4  | Present<br>ACTIVE | Present | Present | -       | Present | - | Present | Present | Present | Present |
| Trade Secret 5  | Present<br>ACTIVE | -       | -       | Present | Present | - | -       | Present | -       | -       |
| Trade Secret 6  | Present<br>ACTIVE | Present | Present | -       | Present | - | Present | Present | Present | Present |
| Trade Secret 8  | Present<br>ACTIVE | -       | -       | Present | Present | - | -       | Present | -       | Present |
| Trade Secret 7  | Present<br>ACTIVE | Present | Present | -       | Present | - | Present | Present | Present | Present |
| Trade Secret 10 | Present<br>ACTIVE | Present | Present | -       | Present | - | Present | Present | Present | Present |
| Trade Secret 9  | Present<br>ACTIVE | Present | Present | -       | Present | - | Present | Present | Present | Present |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**AICS** - Australian Inventory of Chemical Substances

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

#### US Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name  | SARA 313 - Threshold Values % |
|----------------|-------------------------------|
| Trade Secret 3 | 1.0                           |
| Trade Secret 4 | 1.0                           |
| Trade Secret 6 | 1.0                           |
| Trade Secret 7 | 1.0                           |

##### **SARA 311/312 Hazard Categories**

Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 and later calendar years will need to be consistent with updated hazard classifications.

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

##### **Clean Water Act (CWA)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Chemical name  | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Trade Secret 8 | -                           | X                      | -                         | -                          |

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|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

**OSHA - Process Safety Management - Highly Hazardous Chemicals**

This product does not contain any substances regulated under Process Safety Management (29 CFR 1910.119).

**Department of Homeland Security - Chemical Facility Anti-Terrorism Standards (CFATS)**

This product does not contain any substances regulated under the Chemical Facility Anti-Terrorism Standards (6 CFR 27).

**16. Other information**

**Prepared By:** HSE Department  
**Issue Date:** 05-Oct-2020  
**Revision Date:** 15-Jul-2021  
**Revision Note:** Reviewed and Re-issued.

**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**