

16-5-10 NURSERY POLYON

Safety Data Sheet

OSHA Haz Com Standard 29 CFR 1910.1200 V3

Section 1: Identification

Product Name 16-5-10 NURSERY POLYON

Product Type : Solid Granule

Uses

Recommended use / restrictions of use

: Professional applications or Agricultural fertilizer. No restrictions.

Supplier

Supplier's Details : Harrell's LLC
720 Kraft Rd
Lakeland, FL 33815
1-800-282-8007

Emergency telephone number

Name : Chemtrec

Phone Number : 1-800-424-9300

Customer Number : 10202

Section 2: Hazards Identification

Classification of the substance or mixture

: May cause serious eye damage, eye irritant, and respiratory irritant.

Label elements

Hazard pictograms



Signal word : Warning

Hazard statements : May cause serious eye damage
: Skin irritant
: Eye irritant
: May cause respiratory irritation

Precautionary statements : Wear protective gloves/eye protection
: If in eyes: Flush with water for 15 minutes
: If on skin: Wash thoroughly with soap and water
: If inhaled: Remove person from source
: If ingested: Get medical attention

Section 3: Composition/information on ingredients

Substance

Ammonium Nitrate CAS # 6484-52-2	24.69%
Various Micronutrients*	8.75%
sulfur CAS # 7704-34-9	3.8%
calcium carbonate CAS # 1317-65-3	5.047%
quartz CAS # 14808-60-7	0.103%
Various Mixture - No other additional ingredients which are classified as hazardous	57.61%

**The specific chemical identity and concentrations have been withheld as a trade secret.*

Mixture : Not applicable

Section 4: First aid measures

Description of first aid measures

If in eyes : Flush with water for 15 minutes. Call a doctor for treatment.
Advice is irritation persists.
If on skin : Wash thoroughly with soap and water. Launder clothing before reuse.
If inhaled : Remove affected person from source of exposure.
Call 911 if breathing is difficult.
If ingested : Do not induce vomiting. Get medical attention. Have the product label with you when calling a doctor or going for treatment.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after eye contact

: May cause serious eye damage.

: Causes skin irritation.

Symptoms/injuries after inhalation

: May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed

No additional information available.

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Water spray, dry chemical, carbon dioxide, sand.

Unsuitable extinguishing media : None.

Special hazards arising from the substance or mixture

: Material will not burn; However, material undergoes decomposition at elevated temperatures to release toxic and combustible gases.

Advice for firefighters

Firefighting instructions : Material will not burn. Use extinguishing media appropriate for the surrounding materials.

Protection during firefighting : wear respiratory protection.

Section 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Protective equipment : Wear gloves and cover skin.

Emergency procedures : None required.

Environmental precautions

: Prevent entry to sewers and public surface waters.

Methods and material for containment and cleaning up

Clean up methods : Use mechanical means. Store material in suitable containers for recycle or disposal.

Reference to other sections

: See Section 7 for safe handling information.
: See Section 7 for safe handling information.
: See Section 7 for safe handling information.

Section 7: Handling and storage

Precaution for safe handling

Safe handling precautions : Avoid contact with skin and eyes. After handling, wash hands thoroughly with soap and water. Avoid breathing dust. Wash before eating and drinking.

Fire/explosion precautions : No special measures required.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool, and well-ventilated area. Protect from weather.

Incompatible materials : Slightly reactive with oxidizing agents, metals, alkalis, and moisture.

Specific end use(s)
: No further relevant information available.

Section 8: Exposure controls/personal protection

Control parameters

ACGIH Threshold Limit Value : 10 mg/m³ as inhalable dust.

OSHA Permissible Exposure Limit

: Not established.

Exposure controls

Appropriate engineering controls

: If dust is generated during handling, use adequate ventilation to keep exposure to airborne dust level below the threshold limits.

Personal protective equipment : Hand, skin, eye, respiratory (if needed).

Hand protection : Wear protective gloves. Glove material: Any.

Eye protection : Safety glasses with side shields.

Skin and body protection : Wear long sleeved clothing and other suitable clothing to prevent skin exposure.

Respiratory protection : Wear NIOSH approved dust respirator if dust level is above the threshold limit.

Section 9: Physical and chemical properties

Information on basic physical and properties

Physical state	: Solid granule	Flammability	: Not flammable
Color	: Black/dark gray	Flash point	: Not applicable
Odor	: Slight phosphate	Explosive limit (upper)	: No data available
Odor threshold	: 17 ppm (ammonia)	Explosive limit (lower)	: No data available
Boiling point	: Decomposes	Auto ignition temp.	: No data available
Melting point	: 155°C (311°F)	Decomposition temp.	: No data available
Freezing point	: No data available	Partition coefficient	: No data available
Vapor pressure	: Not applicable	Viscosity, kinematic	: Not applicable
Vapor density	: Not applicable	Viscosity, dynamic	: Not applicable
pH	: 5.2	Specific gravity	: 1.07
Bulk density	: 65 lbs/ft ³	Solubility	: Soluble in water
Evaporation rate	: Not applicable		

Other information

: No further information available.

Section 10: Stability and reactivity

Reactivity : No further relevant information available.

Chemical stability : The product is stable under normal ambient conditions.

Possibility of hazardous reactions

:None.

Conditions to avoid : No further relevant information available.

Incompatible materials : Slightly reactive with oxidizing agents, metals, alkalis, and moisture.

Hazardous decomposition products

: Avoid contact with moisture - slow hydrolysis will produce corrosive acids.

Section 11: Toxicological information

Information on toxicological effects

Routes of exposure : Skin contact, eye contact, inhalation, ingestion.
Skin corrosion/irritation : Causes skin irritation.
Eye damage/irritation : Dust may cause serious eye damage.
Acute toxicity : Not classified.
Carcinogenicity : Not classified.
Reproductive toxicity : Not classified.
LD50 oral rat : 3000 mg/kg (Rat).

Symptoms/injuries after skin contact

: Causes skin irritation.

Symptoms/injuries after eye contact

: Dust may cause serious eye damage.

Symptoms/injuries after inhalation

: May cause respiratory irritation.

NTP (National Toxicology Program)

: Substance not listed.

IARC (International Agency for Research on Cancer)

: Substance not listed.

Section 12: Ecological information

Toxicity

: No testing data available.

Persistence and degradability

: Aquatic toxicity: will release ammonium ions in water by hydrolysis. Ammonia is toxic to aquatic organisms. Avoid spills/releases to surface water.

Bioaccumulative potential

: No data available.

Mobility in soil

: Non-persistent when applied using normal agricultural practices.

Other adverse effects : No further relevant information available.

Section 13: Disposal considerations

Waste treatment methods

Waste disposal recommendations

: Recycle excess product if at all possible. Avoid sewage and landfill disposal.

Waste containers : Do not use metal waste containers.

Reference to other sections

: See section 8 for exposure control information.

Section 14: Transport information

Transportation information

UN-Number : None.

DOT, ADR, ADN, IATA, IMDG : Non-regulated material.

UN proper shipping name : Not regulated for transportation.

Transport hazard class : Not regulated.

Class - DOT, ADR, ADN, IATA, IMDG

: Non-regulated material.

Packing group - DOT, ADR, IMDG, IATA

: Non-regulated material.

Environmental hazards: Marine pollutant IMDG

: Not classified as a marine pollutant.

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

: Not applicable.

Special precautions for user : None.

Section 15: Regulatory information

U.S. Federal regulations

SARA 302 (EHS) : Product is not listed.

SARA 311-312 (Tier II) : Product is not listed.

SARA 313 (TRI) : Product is not listed.

International regulations

Canada : Product is listed on Domestic Substances List.

European Union : Product is not listed.

U.S. State regulations : None.

Section 16: Other information

Other information

Date of preparation :

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information is designed only as guidance for safe handling, use, storage, transportation, and disposal, and is not to be considered a warranty (express, implied, merchantability or fitness for any particular purpose) or quality specification. The information relates only to the specific material designated therein.