

43-0-0 POLYON ENHANCED EFFICIENCY FERTILIZER

Safety Data Sheet

OSHA Haz Com Standard 29 CFR 1910.1200 V3

Section 1: Identification

Product Name 200091 - 43-0-0 POLYON ENHANCED EFFICIENCY FERTILIZER

Product Type : Solid Granule

Uses

Recommended use / restrictions of use

: Professional applications or Agricultural fertilizer. No restrictions.

Supplier

Supplier's Details : Harrell's LLC
5105 New Tampa Hwy.
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

| | |
|--------------------|-----|
| Urea CAS # 57-13-6 | 94% |
| Polymer Coating | 6% |
| | |
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**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.

Symptoms/injuries after skin contact

: 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.
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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: June 2015 – Version 1.0

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