

# 43-0-0 POLYON ENHANCED EFFICIENCY FERTILIZER

## Safety Data Sheet

OSHA Haz Com Standard 29 CFR 1910.1200 V3

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### 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  
720 Kraft Rd  
Lakeland, FL 33815  
1-800-282-8007

Emergency telephone number

Name : Chemtrec

Phone Number : 1-800-424-9300

Customer Number : 10202

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### 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

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### Section 3: Composition/information on ingredients

Substance

Urea CAS # 57-13-6	94%
Polymer Coating	6%

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

Mixture : Not applicable

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### 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.

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## **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.

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## **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.

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## Section 8: Exposure controls/personal protection

### Control parameters

ACGIH Threshold Limit Value : 10 mg/m<sup>3</sup> 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.

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## 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 <sup>3</sup>	Solubility	: Soluble in water
Evaporation rate	: Not applicable		

### Other information

: No further information available.

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## 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.

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## 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.

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## **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.

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## **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.

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## **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.

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## **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.

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## **Section 16: Other information**

### Other information

Date of preparation: June 2015 – Version 1.0

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