

## 1. IDENTIFICATION

Product ID: DD012  
 Product Name: Dr. Drain  
 Other Names: Bacterial/Enzyme Complex Mixture Water Soluble  
 Supplier: ARC Products, Inc  
 1110 Keystone Ave  
 Catoosa, OK 74015  
 USA  
 Telephone: 1-855-552-6789  
 Fax: 918-266-6796  
 CHEMTREC: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW**

This product contains bacterial spores and enzymes. May cause eye irritation. Avoid contact with eyes and breathing dusts. People with known allergies, particularly to enzymes, as well as those with respiratory disease or disorders, should avoid contact with this product. Wash hands thoroughly after use.

KEEP OUT OF REACH OF CHILDREN

### **GHS CLASSIFICATION**

Irritant (Eye)  
 Irritant (Skin)  
 Respiratory Tract Irritant

### **GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS**

#### **PICTOGRAM**



**SIGNAL WORD:** Warning

#### **HAZARD STATEMENT(S) (3)**

H316 Causes mild skin irritation  
 H320 Causes eye irritation  
 H335 May cause respiratory irritation

#### **PRECAUTIONARY STATEMENT(S) (6)**

P281 Use personal protective equipment as required  
 P301+330+331 IF SWALLOWED, Rinse mouth. Do NOT induce vomiting  
 P305+351+338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
 P330 Rinse mouth  
 P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P352 Wash with soap and water

### **HMIS CLASSIFICATION**

Health Hazard: 2  
 Chronic Health Hazard: Not Available  
 Flammability: 0  
 Physical Hazards: 0

### **NFPA CLASSIFICATION**

Health Hazard: 2

Fire: 0  
 Reactivity Hazard: 0  
 Special Hazard: Not Available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**SYNONYMS:** Bacterial/Enzyme Complex Mixture Water Soluble

**FORMULA:**

**MOLECULAR WEIGHT:** Not Available

Component	CAS Number	EC Number	Concentration	TLV
Calcium Carbonate	471-34-1		>50	
Calcium Sulfate	7778-18-9		>30	
Sodium Bicarbonate	144-55-8		>10	
Sodium Chloride	7647-14-5		>5	
Calcium Chloride	10043-52-4		<5	
Alpha Amylase	9000-90-2		<5	
Bacterial Protease	9014-01-1		<5	
Cellulase	9012-54-8		<5	

### 4. FIRST AID MEASURES

**GENERAL ADVICE**

Consult a physician. Show this safety data sheet to the doctor in attendance. Physician should treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Move out of dangerous area.

**IF INHALED**

Remove to fresh air; if difficulty breathing or discomfort occurs and persists, seek medical attention.

**IN CASE OF SKIN CONTACT**

Wash skin with soap and water; remove contaminated clothes and wash. If irritation persists, seek medical attention.

**IN CASE OF EYE CONTACT**

Immediately flush with water for at least 15 minutes while lifting the upper and lower eyelids intermittently to effectively flush the entire eye surface. Seek medical help as necessary if irritation persists.

**IN SWALLOWED**

Rinse mouth with water; dilute by giving 1-2 glasses of water; do not induce vomiting. Never give anything by mouth to an unconscious person; seek medical help immediately.

### 5. FIREFIGHTING MEASURES

**CONDITIONS OF FLAMMABILITY**

Not Available

**SUITABLE EXTINGUISHING MEDIA**

Use Dry Chemical, CO<sub>2</sub>, or Chemical Foam

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS**

Full protective clothing and NIOSH-approved self-contained breathing apparatus should be worn. Use water to cool exposed containers.

**SPECIAL HAZARDS ARISING FROM SUBSTANCE OR MIXTURE**

**HAZARDOUS COMBUSTION PRODUCTS**

May include and are not limited to: oxides of carbon.

**FURTHER INFORMATION**

None Available

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear suitable clothing and protective equipment. Ensure adequate ventilation

### ENVIRONMENTAL PRECAUTIONS

None

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Prevent large quantities from contacting vegetation or waterways; large spills could kill vegetation and fish. This product, if spilled, can be recovered and reused if contamination does not present a problem; Vacuum or sweep material. If the spilled product is unusable due to contamination, consult state or local agencies for acceptable disposal procedures.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Use air conveying / mechanical systems for bulk transfer to storage; For manual handling or bulk transfer use mechanical ventilation to remove airborne dust from rail car, ship or truck. Use approved respiratory protection when ventilation systems are not available. Selection of respirators is based on dust cloud generation. Keep material out of lakes, streams, ponds and sewer drains.

### CONDITIONS FOR SAFE STORAGE

Keep out of reach of children. Store in cool dry area away from acids

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

Component	CAS Number	Value	Control Parameters Basis	Remarks
Calcium Carbonate	471-34-1	TWA	15 mg/m <sup>3</sup>	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Calcium Sulfate	7778-18-9	TWA	10 mg/m <sup>3</sup>	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards
Protease Enzymes	9014-01-1			ACGIH-TLV Not established   OSHA-PEL Not established
Cellulase Enzymes	9012-54-8			Inhalation: 30900 mg/kg mouse
Amylase Enzymes	9000-90-2			Inhalation: 7500 mg/kg rat

### PERSONAL PROTECTIVE EQUIPMENT

#### RESPIRATORY PROTECTION

Whenever dust in the workers breathing zone cannot be controlled with ventilation or engineering means, workers should wear respirators or dust masks approved by NIOSH/MSHA, EU, CEN or comparable certification organization to protect against airborne dust.

#### HAND PROTECTION

Avoid contact with skin. For sensitive skin or prolonged use, wear rubber gloves. Emergency responders should wear impermeable gloves

#### EYE PROTECTION

Appropriate eye and face protective equipment (ANSI Z87 approved) should be selected for the particular use intended for this material; Safety glasses with side shields are recommended. Emergency responders should wear full eye and face protection.

#### SKIN AND BODY PROTECTION

Dry product is generally non- irritating to intact skin; However, this product can be irritating where skin has been

damaged or can create skin irritation after long exposures when moisture is present on the skin; Under such conditions, gloves and long sleeved clothing are recommended to minimize skin contact.

**HYGIENE MEASURES**

Wash hands after handling, as well as any other affected skin areas. Avoid contact with food or food preparatory surfaces. If this occurs wash the area thoroughly with suitable detergent and water. Remove and wash contaminated clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE**

Form: Solid, Powdered Dry Granules  
Color: White

**SAFETY DATA**

pH: Not Available  
Melting Point: Not Available  
Boiling Point: Decomposes  
Flashpoint: Not Available  
Ignition Temperature: Not Available  
Auto-ignition Temperature: No Data Available  
Lower Explosion Limit: Not Available  
Upper Explosion Limit: Not Available  
Vapor Pressure: No Data Available  
Density: Not Available  
Water Solubility: 99%  
Partition Coefficient(n-octanol/water): No Data Available  
Relative Vapor Density: No Data Available  
Odor: odorless  
Odor Threshold: No Data Available  
Evaporation Rate: No Data Available  
Active Oxygen: Not Applicable

**10. STABILITY AND REACTIVITY****CHEMICAL STABILITY**

Stable

**POSSIBILITY OF HAZARDOUS REACTIONS**

Hazardous polymerization does not occur.

**CONDITIONS TO AVOID**

Excessive heat and contamination of any kind. Contact with acids except under controlled conditions.

**MATERIALS TO AVOID**

Reacts with acids to create large volumes of carbon dioxide gas and heat. Avoid aluminum powder, acids, fluorine and molten lithium

**HAZARDOUS DECOMPOSITION PRODUCTS**

Heated to decomposition, it will emit fumes of sodium oxide

**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY****Oral LD50**

Not determined

**Inhalation LC50**

A-Amylase - 7500 mg/kg rat

Cellulase - 30900 mg/kg mouse

**Dermal LD50**

Not determined

**Other Information on Acute Toxicity**

None Available

**SKIN CORROSION/IRRITATION**

Non-irritating to intact skin; minor irritation may occur on abraded skin.

**SERIOUS EYE DAMAGE/EYE IRRITATION**

Not determined

**RESPIRATORY OR SKIN SENSITIZATION**

Not determined

**GERM CELL MUTAGENICITY**

Not determined

**CARCINOGENICITY****IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**REPRODUCTIVE TOXICITY**

Not Determined

**TERATOGENICITY**

Not Determined

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE(GLOBALLY HARMONIZED SYSTEM)**

Not Determined

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE(GLOBALLY HARMONIZED SYSTEM)**

Not Determined

**ASPIRATION HAZARD**

Not determined

**SIGNS AND SYMPTOMS OF EXPOSURE**

Dust may be irritatin to the skin, mucous membranes, and upper respiratory tract; No significant acute toxicological effects expected.

**SYNERGISTIC EFFECTS**

Not determined

**ADDITIONAL INFORMATION**

None

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**12. ECOLOGICAL INFORMATION**

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**TOXICITY**

Not Available

**PERSISTANCE AND DEGRADABILITY**

Not Available

**BIOACCUMULATIVE POTENTIAL**

Not Available

**MOBILITY IN SOIL**

Not Available

**PBT AND vPvB ASSESSMENT**

Not Available

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**OTHER ADVERSE EFFECTS**

Not Available

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**13. DISPOSAL CONSIDERATIONS****PRODUCT**

As a nonhazardous waste the material may be disposed of in a landfill in accordance with local government regulations; check with local and state authorities for applicable requirements prior to disposal. Under federal regulations, it the generator's responsibility to determine if a waste is a hazardous waste.

**CONTAMINATED PACKAGING**

As a nonhazardous waste the material may be disposed of in a landfill in accordance with local government regulations; check with local and state authorities for applicable requirements prior to disposal. Under federal regulations, it the generator's responsibility to determine if a waste is a hazardous waste.

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**14. TRANSPORT INFORMATION****DOT(US)**

Regulated:	No
UN Number:	Not Regulated
Class:	Not Regulated
Packing Group:	
Subrisk:	
Proper Shipping Name:	Not Regulated
Reportable Quantity(RQ):	Not Regulated
Marine Pollutant:	Not Regulated
Poison Inhalation Hazard:	Not Regulated
Hazard Label:	

**IMDG**

UN Number:	Not Regulated
Class:	Not Regulated
Proper Shipping Name:	Not Regulated
EMS-No:	Not Regulated
Marine Pollutant:	Not Regulated

**IATA**

UN Number:	Not Regulated
Class:	Not Regulated
Proper Shipping Name:	Not Regulated

**COMMENTS**

Not Regulated

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**15. REGULATORY INFORMATION****OSHA HAZARDS**

This product contains bacterial spores and enzymes. May cause eye irritation. Avoid contact with eyes and breathing dusts. People with known allergies, particularly to enzymes, as well as those with respiratory disease or disorders, should avoid contact with this product. Wash hands thoroughly after use.

KEEP OUT OF REACH OF CHILDREN

**SARA 302 COMPONENTS**

Not Available

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**SARA 313 COMPONENTS**

Not Available

**SARA 311/312 HAZARDS**

Not Available

**ADDITIONAL INFORMATION**

CERCLA: NOT LISTED

TSCA: NOT LISTED

RCRA: NOT LISTED

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS**

No components are subject to the Pennsylvania Right to Know Act.

**NEW JERSEY RIGHT TO KNOW COMPONENTS**

No components are subject to the New Jersey Right to Know Act.

**CALIFORNIA PROP. 65 COMPONENTS**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**16. OTHER INFORMATION**

The information in this document is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use or improper storage or handling. Users should consider this data only as a supplement to other information gathered by them and must make independent determinations of their suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of the employees and customers.

