

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: **OR-ZYME 413GT**

Printing Date: 11/18/2015

Product Use: Liquid Bacterial/Enzyme Concentrate for Drain Lines and Grease Traps.

Company Identification:

US Headquarters  
ORCHEM CORPORATION  
4927 Beech Street  
Cincinnati, Ohio 45212

General Information  
Health/Transportation Emergency-Chem-Tel  
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**2. HAZARDS IDENTIFICATION**

**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

Acute toxicity, oral (Category 4), H302

**PICTOGRAM:**



**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS – LABEL ELEMENTS**

**Health Hazard Statement(s)**

H302 Harmful if swallowed.

**Physical Hazards Statement(s)**

None.

**Precautionary Statement(s) – Prevention**

P264 Wash skin and contaminated clothing thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

**Precautionary Statement(s) – Response**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
Rinse mouth.

**Precautionary Statement(s) – Storage**

None.

**Precautionary Statement(s) – Disposal**

P501 Dispose of contents/container in accordance with applicable local, regional, national, and/or international regulations.

**Hazards Not Otherwise Classified (HNOC)**

None.

**Other Information**

Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS#	WEIGHT %
alcohols, C9-11, ethoxylated	68439-46-3	5-10

< 1% of mixture consists of ingredients of unknown toxicity. Exact percentages are withheld as trade secrets.

### 4. FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. After 15 minutes check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention if irritation occurs.

**SKIN CONTACT:** Wash with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Destroy contaminated shoes. Get medical attention if irritation occurs.

**INHALATION:** Remove from exposure and move to fresh air immediately and keep in position comfortable for breathing. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**INGESTION:** Do NOT induce vomiting. If victim is conscious and alert, wash out mouth with water then give water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously keep airway clear. Get medical attention if irritation occurs.

**NOTES TO PHYSICIAN:** No data available.

### 5. FIRE FIGHTING MEASURES

**GENERAL INFORMATION:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (Approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion involved in a fire.

**EXTINGUISHING MEDIA:** Use media suitable to the cause of the surrounding fire such as dry chemical, CO<sub>2</sub>, or appropriate foam. Do NOT use straight streams of water.

### 6. ACCIDENTAL RELEASE MEASURES

**In Case of Spill or Other Release:** Remove sources of ignition. Ventilate area. Keep unnecessary personnel away. Use appropriate personal protective equipment as indicated in Section 8 of the SDS when risk assessment indicated this is necessary. Use non-sparking tools and equipment. Dike to prevent spread. Absorb with inert material. Sweep or shovel spilled materials in suitable containers. Dispose of in accordance with all local, state, and federal requirements. Do not allow product or residue to enter waterway or any source of drinking water. Avoid the generation of dusts during clean-up.

### 7. HANDLING AND STORAGE

**Handling:** Use appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Do not get in eyes or on skin or clothing. Do not breathe mist. Do not ingest.

**Storage:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower (ANSI Z358.1). Use adequate general or local explosion-proof ventilation (typically 10 air changes per hour) to keep airborne levels to acceptable levels.

COMPONENT	CAS#	ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA PEL TWA	IDLH
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#### PERSONAL PROTECTIVE EQUIPMENT

**Eyes:** Wear chemical splash goggles that meet the requirements of 29 CFR 1910.133 or European Standard EN 166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure (29 CFR 1910.138 or EN374).

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	White
Odor:	Citrus
Boiling Point/Range:	No Data
Freezing Point/Range:	No Data
Flash Point:	No Data
Phosphorous Content as %P:	None
Vapor Pressure:	No Data
Vapor Density (air=1):	No Data
V.O.C.:	No Data
Specific Gravity (water=1):	~ 1.04
Water Solubility:	Complete
pH:	6.5-9.5
Volatility:	No Data
Evaporation Rate:	No Data

### 10. STABILITY AND REACTIVITY

**Stability:** The product is stable.

**Incompatibility with Various Substances:** Reactive or incompatible with the following materials: oxidizing materials, bases, acids.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Hazardous Decomposition Products:** Decomposition products may include the following materials: carbon oxides.

**Conditions to Avoid:** No data.

### 11. TOXICOLOGICAL INFORMATION

**TOXICITY:** No Data Available For Product.

**CARCINOGENICITY:**

Product/Ingredient Name	ACGIH	IARC	NTP
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### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL INFORMATION:** No Data Available For Product.

### 13. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. U.S. EPA guidelines for the classifications are listed in 40 CFR 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classifications.

## 14. TRANSPORTATION INFORMATION

U.S. DOT Bill of Lading Description: Not DOT Regulated.

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL).

### U.S. REGULATIONS

**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

### STATE RIGHT TO KNOW (RTK)

INGREDIENT(S)	CAS#	MA	NJ	PA	MN
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### CERCLA/SARA 302/304

INGREDIENT(S)	CAS#	WEIGHT %	CERCLA/SARA RQ(LBS)	SECTION 302TPQ (LBS)
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### SARA 311/312 Hazard categories

Immediate:	X
Delayed:	---
Fire:	---
Reactivity:	---
Sudden Release of Pressure:	---

### SARA 313:

None.

### Clean Air Act:

Not regulated.

### Clean Water Act:

Not regulated.

## 16. OTHER INFORMATION

### Hazardous Material

Information System (U.S.A.) Health: 1 Flammability: 0 Physical Hazard: 0

### National Fire Protection

Association (U.S.A.) Health: 1 Flammability: 0 Instability: 0

HMIS and NFPA use a numbering scale ranging from 0-4 to indicate the degree of hazard. A value of 0 means that the substance possesses essentially no hazard; a rating of 4 indicates high hazard.

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Prepared by: Compliance Group

The information contained in this Safety Data Sheet is intended to comply with the requirements of 29 CFR 1910.1200. This information is believed to be accurate and based on data available to ORCHEM CORPORATION at this time. It is intended to be used as a guide to the safe handling and use by properly trained individuals. It is the end users responsibility to determine the suitability of the information for their particular purposes. This information is provided without warranty.