

# SAFETY DATA SHEET

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## 1. Product and company identification

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**Product name** Drain Zyme

**UN/ID No.:** DOT (U.S.): Not regulated

**Recommended use of the chemical:**  
Recommended use Drain opener and deodorizer for commercial and industrial use.

**Supplier:**  
Immaculate Solutions Group  
13525 Midland Rd.  
Poway, CA 92064  
888-780-8420

**Print date:** 02-18-2025

**In case of emergency:** INFOTRAC  
1-352-323-3500 (International)  
1-800-535-5053 (North American)

**Product type:** Mixture

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## 2. Hazards identification

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**Appearance:** Opaque **Physical State:** Liquid **Odor:** Pleasant fragrance

**Classification:** **Classification:** This mixture does not meet GHS criteria for classification

**Hazard Statement:**

H317 May cause an allergic skin reaction (CAT:3)  
May be harmful if swallowed  
Mild eye irritant. Redness of eyes  
Mild dermal irritant. Bacterial infection may occur through open wounds or broken skin  
May be harmful if inhaled.

**Precautionary Statements – Preventions:**

Read label before use. Keep away from children  
Keep away from face, hands and any exposed skin when handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breath dust/fumes/gas/mist/vapors/spray  
Wear protective gloves/protective clothing/eye protection/ face protection

**Precautionary Statements – Response:**

Immediately call a poison control center or doctor/physician  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing immediately call a poison control center or doctor/physician  
IN ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IN INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing, immediately call a poison control center or doctor/physician  
HARMFUL IF SWALLOWED. Keep container closed. Immediately call a poison control center or doctor/physician, Rinse mouth, Do not induce vomiting.

**Precautionary Statements – Storage:** Store locked up, Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements –Disposal:** Dispose of contents/container in accordance with local, state, regional, national and international regulations.

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## 3. Composition/information on ingredients

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<b><u>Name</u></b>	<b><u>CAS#</u></b>	<b><u>%</u></b>
Bacillus Subtilis	N/A	2% 5%
Bacillus Licheniformis		1% 10%
Bacillus Amylolauifaciens		1% 10%
Bacillus Firmus		1% 10%
Pseudomonas Florescens		5% 30%
Commomonas Terrigena		5% 30%

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#### 4. First aid measures

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<b>Eye contact:</b>	Remove contact lenses if present and easy to do so. Flush eyes with large quantities of water for at least 15 minutes. If irritation persists, call a physician.
<b>Skin contact:</b>	Wash areas with soap and water, apply a topical antiseptic agent.
<b>Inhalation:</b>	Move person to a well ventilated area
<b>Ingestion:</b>	Call a physician immediately for further instructions.

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#### 5. Fire-fighting measures

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<b>Flash point:</b>	None
<b>Flammability of the product:</b>	Upper: Not determined – Lower not determined
<b>Extinguishing media:</b>	
<b>Suitable:</b>	Use Foam, Dry Chemical, Carbon Dioxide or Water Fog
<b>Special exposure hazards:</b>	None
<b>Unusual Fire and Explosion</b>	None
<b>Special protective equipment for fire-fighters:</b>	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed to containers cool. Self-containing breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

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#### 6. Accidental release measures

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<b>Personal precautions:</b>	Avoid eye contact. Determine whether to evacuate or isolate the area according to your local emergency plan. Caution, spill site may be slippery. Increase ventilation. Evacuate all unprotected personnel. Use full protective clothing and equipment to minimize exposure.
<b>Environmental precautions:</b>	Prevent run off into drains and waterways. If a large quantity of this material enters the environment, contact the relevant regulatory authorities. Dispose of waste according to Federal E.P.A., State and Local regulations.
<b>Methods for cleaning up Methods and Materials for Containment and Clean Up</b>	Observe all personal protective equipment recommendations. Described in this SDS. Floors will become slippery. Avoid spill area. Contain spill. If leaked material can be pumped, store recovered material in appropriate containers. Clean up remaining materials from spill with suitable absorbent. Dispose of saturated absorbent material or cleaning materials appropriately. Laws and regulation may apply to releases and disposal of this material. You will need to determine which laws and regulations are applicable.

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#### 7. Handling and storage

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<b>Precautions for Safe Handling</b>	Use a well ventilated area. Avoid breathing in mists or vapor. Avoid skin and eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, smoking or using toilet facilities.
<b>Storage</b>	Store in a cool, dry ventilated area, away from heat and out of direct sunlight. Keep away from oxidizing agents, strong acids and food containers.

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#### 8. Exposure controls/personal protection

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Consult local authorities for acceptable exposure limits.

Engineering Controls: Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.

Bacteria Cultures: None

Respiratory, Ventilation, eye, Hand & skin protection: None Required

**Individual-protection measures, such as personal protective equipment recommended:**

Eye/Face Protection	Chemical resistant gloves and Chemical goggles, glasses when using product
Skin and Body Protection	Cover exposed skin
Respiratory Protection	Local exhaust
General Hygiene considerations	Wash hands thoroughly after use

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**9. Physical and chemical properties**

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Physical state	Liquid
Vapor Pressure	<1
Color	Opaque
pH	8.0
Boiling/condensation point	210° F
Vapor Density	<1
Specific Gravity	1.045
Evaporation Rate (ByAC=1)	<1
Solubility in water	Complete
Viscosity	4.0 cps

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**10. Stability reactivity**

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Stability	Stable
Hazardous polymerization	Will not occur
Conditions to avoid	None currently known
Materials to avoid	Heat
Hazardous decomposition	Will not occur

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**11. Toxicological information**

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## Acute Hazards:

Eye & Skin contact: May cause an allergic reaction especially in people with a history of allergic reaction. Possible eye irritant.

Swallowing: Possible gastric pain and vomiting if large quantities are ingested.

## Chronic Hazards:

Cancer, reproductive, & other chronic hazards: This product has no carcinogens listed

Pathogenicity: Bacterial cultures are CDC Bio safety level 1 (non-pathogenic).

Mammalian toxicity information

LD50 (Oral): ND

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**12. Ecological information**

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Environmental effects: Minimal impact, as cultures naturally occur in soil and water.

Mobility: Disperses in water

Degradability: Biodegradable

Accumulation: Non likely.

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**13. Disposal considerations**

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**Waste disposal:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Refer to Section 7:** Handling and Storage and **Section 8:** Exposure controls/Personal Protection for additional handling information and protection of employees.

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**14. Transport information**

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DOT (US): Not Classified as Hazardous

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**15. Regulatory information**

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California State Regulations:

**U.S. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**California Right to Know Act regulations (SB 258)**

Chemical Name	CAS No,	Function	List(s)
Water	7732-18-5	Diluent	Not Applicable
Alcohols, C9-C11, ethoxylated	Withheld	Cleaning agent	Not Applicable
Acrylic polymer	Withheld	Opacifier	Not Applicable
Bacteria cultures	Not Available	Enzymes	Not Applicable
Colorant	Not Available	Colorant	Not Applicable

**Fragrance(s)**

Chemical Name	CAS No,	Concentration	List(s)
Alpha-Isomethyl ionone	127-51-5	1.01	(FRA)
Benzyl salicylate	118-58-1	1.56	(FRA)
Citral	5392-40-5	0.0702	(FRA)
Hexyl cinnamal	101-86-0	1.32	(FRA)
Limonene	5989-27-5	1.9267	(FRA)
Linalool	78-70-6	1.5677	(FRA)

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**16. Other information**

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<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	<b>1</b>	<b>0</b>	<b>0</b>	<b>B</b>

**Disclaimer**

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet