



MATERIAL DATA SAFETY SHEET

1. Identification of the substance/preparation and company/undertaking.

NAME UltraFloor DEFENDER

MSDS No. UFD-09

Synonyms: liquid bacterial product

Common uses: A floor cleaner that removes grease and food waste that accumulates on floors and grout. Digests fats, oils and grease in drain lines. Will help eliminate fruit fly breeding.

Supplied by: Pure Drain Defender, LLC
7419 E. Helm Drive
Suite D
Scottsdale, AZ 85260
Tel: 480.535.6644

2. Composition/information on ingredients.

Components not listed are either non-hazardous or in concentration of less than 1%

| | | |
|---------------------------------|-----|-----------|
| Concentrated Bacterial Cultures | CAS | N/A |
| Water | CAS | 7732-18-5 |
| Surfactant | CAS | N/A |
| Capigel 98 | CAS | N/A |

| <u>Hazardous ingredient / impurity</u> | <u>% Conc.</u> | <u>Classification</u> | <u>Exposure</u> | <u>CAS</u> | <u>EINECS</u> |
|--|----------------|-----------------------|-----------------|------------|---------------|
| None | | | | | |

3. Hazards identification.

Classification:

Bacterial culture non-pathogenic, surfactant blend non-hazardous.

Irritating to skin, risk of serious damage to eyes.

4. First Aid measures.

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed.

| <u>Exposure Route</u> | <u>Symptom</u> | <u>Treatment</u> |
|-----------------------|------------------------|--|
| Inhalation | May cause irritation | Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention. |
| Skin Contact | Redness and irritation | Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention. |
| Eye Contact | Irritation | Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention. Do not delay. |

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Ingestion Irritation of gastrointestinal tract, nausea, diarrhea Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Immediate Treatment / Antidote: symptomatic treatment

Delayed Effects: bacterial infection

5. Fire Fighting measures.

Suitable Extinguishers: water

Hazardous Combustion Products: none in normal use. Fire creates fumes including carbon dioxide and sulphur dioxide.

Special Equipment for Fire Fighting: self-contained breathing apparatus

6. Accidental Release measures.

Personal Precautions: Wear appropriate PPE - See section 8

Environmental Precautions: The bacteria and carriers are naturally occurring and should not pose an environmental risk.

Clean up Procedure: Vacuum or sweep up avoiding generation of mist. Place in suitable labeled containers and hold for waste disposal. Wash spill site with water. If bacterial contamination is an issue use chlorine to kill the bacillus spores.

7. Handling & Storage.

Handling **Ventilation:** Good general ventilation.

Recommended procedures & equipment: avoid creating mist

Storage **Temperature range:** 0 deg C to 40 deg C for product viability only.
Humidity range: all.

Keep away from: See section 10

Suitable storage Media: original container with closed lid

Precautions against static discharge: recommended.

8. Exposure Controls/personal protection.

Exposure standards:

| Component | LTEL (8h TWA) | STEL (15 mins) | Type |
|-----------|---------------|----------------|------|
| None | | | |

Personal Protective Equipment:

Respiratory: Dust mask

Hand: Wash hands after use. Gloves recommended

Eye: Safety glasses or goggles recommended.

Skin: Wash after exposure. Overalls and boots recommended

Environmental controls: Users should be aware of environmental considerations and their duties under the environmental protection act.

Hygiene Measures: Always wash thoroughly after handling chemicals.

9. Physical & Chemical Properties.

| | |
|---------------------------------|--|
| Appearance | Water like liquid, dyed pale green. |
| Odor | Citrus |
| pH | Neutral 6.0 to 9.0 |
| Boiling Point/range | Similar to water |
| Melting Point/range | Similar to water |
| Flash point | Not Applicable |
| Flammability | Not flammable under normal conditions of storage and handling. |
| Autoignition temperature | Not Applicable |
| Explosive limits | Not applicable |
| Oxidizing Properties | None |
| Vapour Pressure | Similar to water |
| Relative density | 0.8 to 1.0 |
| Solubility in water | Soluble. Disperses in water. |
| Solubility in solvent | Not soluble |
| Partition coefficient | Not Applicable |
| Viscosity | Similar to water |
| Vapor density | Similar to water |
| Evaporation rate | Similar to water |
| Conductivity | Same as water |

10. Stability & Reactivity.

Stability: Stable under normal storage and handling conditions.

Conditions to avoid: Accumulations of product in enclosed spaces and generation of mist. Avoid contact with oxidising chemicals.

Materials to avoid: Acids and Alkalies may inactivate the bacterial cultures.

Hazardous decomposition products: oxides of carbon and sulphur

11. Toxicological Information.

Toxicological effects: Low Acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhoea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.

12. Ecological Information.

Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The other components are unlikely to bioaccumulate and are biodegradable.

Mobility: disperses in water

Degradability: contents are biodegradable

Bioaccumulative potential: Not Likely

Aquatic Toxicity: Not Known

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13. Disposal considerations.

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container: As substance.

14. Transport Information. Not regulated for transport

| | |
|-----------------------------|---|
| UN number | Class |
| Primary Hazard | Subsidiary Hazard |
| Packing Group | Emergency Action Code |
| H.I. Number | Marine Pollutant |
| Proper Shipping name | Water treatment compounds, bacterial culture. |

15. Regulatory Information.

Label Name UltraFloor DEFENDER

Symbols no risk or safety phrases stipulated

Risk Phrases no risk or safety phrases stipulated

Safety Phrases no risk or safety phrases stipulated

Use of this material may be governed by the following regulations:- (users are advised to consult these regulations for further information).

The information contained in this data sheet does not constitute an assessment of workplace risks.

16. Other Information.

This material must not be used for direct contact with food:

Further details may be available upon request from your local Pure Drain Defender, LLC distribution site.

Other: The product has been shown to be free of Salmonella and Shigella using the procedures outlined by AOAC and USDA.

Legal Disclaimer:

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| <p>CHEMICAL EMERGENCIES - CALL 1-800-535-5053</p> |
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