

Identification

Product Name: **Aluzyme**

Supplier: **Aluline Group Ltd.
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Composition Information On Ingredients

Preparation Liquid formulation of non pathogenic viable bacteria cultures to digest grease, proteins, starch and cellulose.

Ingredient name:	CAS No.	
Alcohol Ethoxylate	68439-45-2	< 0.1%
1,2 Benzisothiazolin-3-One	2634-33-5	< 0.1%
Mixture of 5-Chloro-2-One		
Methyl-4-Isothiazolin-3-One		
and 2-Methyl-4-Isothiazoline-3-one		< 0.1%

Hazard Identification

Not hazardous - EFB Class I - This class contains those micro-organisms that have never been identified as causative agents of disease in man and offer no threat to the environment.

First Aid Measures

Ingestion : Seek medical attention. Do not induce vomiting. Reassure patient.
 Eyes : Rinse thoroughly with water. Seek medical advice if irritation persists.
 Skin : Rinse thoroughly with water. Seek medical advice. Organisms used are non pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to commonly used antibiotics.

Fire Fighting Measures

Non Flammable products
 Extinguishing media : Water spray, foam, dry powder or CO2.
 Fire fighting protection : Full protective equipment including suitable respiratory protection.

Accidental Release Measures

Caution: Spilt liquid on wet surfaces can prove slippery. Transfer spilt or damaged liquid to a container for disposal. Dispose of to local authority guidelines. Clean areas with water and flush away. Avoid washings entering water courses. It can be disposed of into sewers.

Handling & Storage

Environmental Precautions : Product designed to digest complex fat matters, grease, oils, cellulose, proteins and starch through an enzymatic metabolism. As a result it can be poured into a sewer. It is not hazardous for the environment.
 Procedures : For material leaks or spillages: Flush small spills to waste treatment sewer (product biodegradable). For large spills, contain and collect for re-use.

Exposure Controls / Personal Protection

Eye Protection : Safety goggles recommended.
 Skin Protection : Take precautions to prevent skin contact gloves recommended.

Physical And Chemical Properties

Form	: Liquid	Colour	: Blue
Odour	: Floral	pH (value)	: 7.5 - 9.0
Boiling point	: >100°C	Flash point °C	: Not available
Density (g/m)	: Equivalent to water	Solubility (water)	: 100% (aqueous product)

Stability & Reactivity

Stability	Stable under normal conditions.
Incompatibility (materials to avoid)	Strong acids or alkali compounds may inactivate biological cultures.
Hazardous decomposition	Non to the best of our knowledge.
Hazardous polymerisation	Non to the best of our knowledge.
Hazardous reaction	None if used in accordance with the PDS. However, avoid strong oxidising agents.

Toxicity

Skin	Prolonged or repeated contact may cause irritation. Slight redness on hands and forearms if individual has a history of dermal allergic reaction. Dermatitis and skin sensitisation can develop after repeated and / or prolonged contact with human skin.
Eyes	Product could cause slight irritation. organisms used are non pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to commonly used antibiotics.
Ingestion	May cause stomach disorder. Irritation of mouth, pharynx, oesophagus and stomach can develop following ingestion.

Ecological Information

Product can be poured into any sewer. It is not hazardous to the environment. On the contrary it favours organic degradation in sewers and waste water treatment facilities. The product is bio-degradable as much as 98%.

Disposal

Dispose of with due consideration, according to Local Authority Guidelines.

Transport Information

UN No. : IUDG (not required)
ICAO/IATA : ADR

Regulatory Information

Hazardous Ingredient(s) : EEC Classification
Hazard Symbol : Risk Phrases