

# SAFETY DATA SHEET



## DEOZYME

### ACTICHEM PTY LTD

Catalogue number: AP438

Version No: 2.2

Issue date: 20/05/2022

Safety Data Sheet according to WHS and ADG requirements

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### Product Identifier

Product name	DEOZYME
Product code	AP438
Pack sizes	5L & 20L

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Enzyme digester and odour neutraliser
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### Details of the manufacturer/importer

Registered company name	ACTICHEM PTY LTD
Address	11 Gamma Close, Beresfield 2322 NSW Australia
Telephone	(02) 4966 5516
Website	www.actichem.com.au
Email	info@actichem.com.au

### Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	Not Available

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
GHS Classification	Sensitisation Skin Category 1, Sensitisation Respiratory Category 1
	Classification drawn from HCIS and ECHA C&L Inventory

### Label elements

Hazard pictograms	
SIGNAL WORD	<b>WARNING</b>

### Hazard statement(s)

H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

### Precautionary statement(s) Prevention

P261	Avoid breathing mist/vapours/spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves.
P285	In case of inadequate ventilation wear respiratory protection

### Precautionary statement(s) Response

P302+P352+P333+P313	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention
P304+P341+P342+P311	IF INHALED: If breathing is difficult, remove victim to fresh air and keep in at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
P363	Wash contaminated clothing before reuse.

**Precautionary statement(s) Storage**

Not Applicable

**Precautionary statement(s) Disposal**

P501	Dispose of contents / container in accordance with local government regulations
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**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS****Substances**

See section below for composition of Mixtures

**Mixtures**

CAS No	%[weight]	Name
Trade secret	10-<30	Proprietary enzyme
Trade secret	<10	Proprietary fragrance

**SECTION 4 FIRST AID MEASURES****Description of first aid measures**

<b>Eye Contact</b>	If this product comes in contact with eyes: Immediately hold the eyelids apart and flush the eye with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If irritation persists, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin Contact</b>	If skin or hair contact occurs: Remove contaminated clothing and wash separately before reuse. Destroy or thoroughly clean contaminated shoes Wash skin and hair with soap and running water for at least 15 – 20 minutes Seek medical attention without delay.
<b>Inhalation</b>	If aerosols, fumes or combustion products are inhaled: Remove to fresh air. Lay patient down. Keep warm and rested. If patient feels unwell, seek medical advice/attention
<b>Ingestion</b>	Call a doctor or poison control centre immediately Do NOT induce vomiting. Rinse mouth If vomiting occurs, keep head low, so that stomach contents don't get into lungs.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 FIREFIGHTING MEASURES****Extinguishing media**

<b>Extinguishing media</b>	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area
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**Special hazards arising from the substrate or mixture**

<b>Fire incompatibility</b>	None known
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**Advice for firefighters**

<b>Fire Fighting</b>	Alert Fire Brigade and tell them location and nature of hazard. Protective clothing should be worn as the product contains a skin sensitiser.
<b>Fire/Explosion Hazard</b>	Non-combustible.
<b>HAZCHEM</b>	Not applicable

**SECTION 6 ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Minor Spills</b>	Flush away with copious amounts of water.
<b>Major Spills</b>	Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle. Prevent by any means available any spillage entering a watercourse.
<b>PPE</b>	Personal protective equipment advice is contained in Section 8 of this SDS

**SECTION 7 HANDLING AND STORAGE****Precautions for safe handling**

<b>Safe handling</b>	Wear suitable protective clothing depending on the circumstances. Avoid contact with skin and eyes Always store in original container.
<b>Other information</b>	

**Conditions for safe storage, including any incompatibilities**

<b>Suitable container</b>	Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
<b>Storage incompatibility</b>	Strong alkalis and acids, and strong oxidising agents may react with the product and inactivate the bacterial cultures.


**PACKAGE MATERIAL INCOMPATIBILITIES**

Not Available

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****OCCUPATIONAL EXPOSURE LIMITS (OEL)****INGREDIENT DATA**

Does not contain any relevant quantities of hazardous materials with critical values that need to be monitored.

**Exposure controls**

<b>Appropriate engineering controls</b>	Maintain adequate ventilation. If natural ventilation is inadequate use of local mechanical ventilation is advised.
<b>Personal protection</b>	
<b>Eye and face protection</b>	Wear safety glasses with side shields
<b>Hands/feet protection</b>	Wear elbow length protective gloves.
<b>Body protection</b>	Wear overall

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Appearance</b>	Clear light tan liquid		
<b>Physical state</b>	Liquid	<b>Relative density (Water = 1)</b>	1.0
<b>Odour</b>	Floral	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Applicable
<b>pH (as supplied)</b>	8.5 – 8.8	<b>Decomposition temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	100	<b>Molecular weight (g/mol)</b>	Not Available
<b>Flash point (°C)</b>	Not Applicable	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not Applicable	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Applicable	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Applicable	<b>Volatile Component (%vol)</b>	Not Available
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water (g/L)</b>	Soluble in all proportions	<b>pH as a solution</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available

## SECTION 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	Unstable in the presence of incompatible materials.
<b>Possibility of hazardous reactions</b>	See section 7
<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Inhaled</b>	Prolonged inhalation may cause respiratory irritation
<b>Ingestion</b>	No data available.
<b>Skin Contact</b>	May cause an allergic skin reaction
<b>Eye</b>	May cause some eye irritation if applied to the eye
<b>Chronic</b>	No data available.

### Toxicological effects of ingredients

Ingredient	Effect	Description
<b>Proprietary enzyme</b>	Acute toxicity	No data available.
	Skin corrosion/irritation	No data available.
	Eye damage/irritation	No data available.
	Respiratory/skin sensitization	May cause sensitisation of susceptible persons
	Germ cell mutagenicity	No mutagenic components identified
	Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a known carcinogen by IARC / NTP/ OSHA
	Reproductive toxicity	None known
	STOT (single exposure)	None known
	STOT (repeated exposure)	None known
	Aspiration toxicity	Not classified
<b>Proprietary fragrance</b>	Acute toxicity	No available data
	Skin corrosion/irritation	Causes skin irritation
	Eye damage/irritation	Causes serious eye irritation
	Respiratory/skin sensitization	It is a respiratory and skin sensitizer
	Germ cell mutagenicity	No mutagenic component identified
	Carcinogenicity	No component present greater or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC or NTP or OSHA
	Reproductive toxicity	Possible reproductive hazard.
	STOT (single exposure)	May cause respiratory irritation
	STOT (repeated exposure)	None known
	Aspiration toxicity	Not classified

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

No data available.

### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

### Bio accumulative potential

Ingredient	Bioaccumulation
	No Data available for all ingredients

### Mobility in soil

Ingredient	Mobility
	No Data available for all ingredients

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Product / packaging disposal</b>	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations.
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**SECTION 14 TRANSPORT INFORMATION****Labels Required**

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**SECTION 15 REGULATORY INFORMATION****Safety, health and environmental regulations / legislation specific for the substance or mixture**

No information available

**SECTION 16 OTHER INFORMATION****Revision Schedule**

Revision Date	20/05/2022
Initial Date	17/03/2017

**SDS Version Summary**

Version	Issue Date	Sections Updated
2.1	12/01/2021	Sections 2, 3, 4, 5, 6, 7, 11, 12, 15, 16 have been updated or corrected
2.2	20/05/2022	Sections 2, 3, 11.

**Other information**

Classification of the preparation and its individual components has drawn on official and authoritative sources such as the ECHA C&L Chemical Inventory, HSNO (CCID) New Zealand, AICIS and HCIS Australia

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**Definitions and abbreviations**

PC-TWA;	Permissible Concentration-Time Weighted Average
PC-STEL;	Permissible Concentration-Short Term Exposure Limit
IARC;	International Agency for Research on Cancer
ACGIH;	American Conference of Government Industrial Hygienists
STEL;	Short Term Exposure Limit
TEEL;	Temporary Emergency Exposure Limit
IDLH;	Immediate Danger to Life or Health Concentrations
OSF;	Odour Safety Factor
NOAEL;	No Observed Effects Level
TLV;	Threshold Limit Value
LOD;	Limit Of Detection
OTV;	Odour Threshold Value
BCF;	Bio Concentration Factors
BEI;	Biological Exposure Index

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**End of SDS**