

# Arabinazyme Tablets Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue: 29/09/2015 Revision date: 23/01/2018

Supersedes: 01/09/2016

Version: 1.4

SECTION 1: Identification of the substa	ance/mixture and of the company/undertaking
1.1. Product identifier	
	Mixture
	Arabinazyme Tablets
	T-ARZ
1.2. Relevant identified uses of the substan	ce or mixture and uses advised against
1.2.1. Relevant identified uses	
Industrial/Professional use spec	For professional use only
Use of the substance/mixture :	Use as laboratory reagent
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety data	a sheet
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
	+353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixt	ure
Classification according to Regulation (EC) No.	1272/2008 ICL P1
Not classified	
Not classified	
Adverse physicochemical, human health and en	vironmental effects
No additional information available	
2.2. Label elements	
According to EC directives or the corresponding nati	ional regulations there is no labelling obligation for this product.
	5 55 1
2.3. Other hazards	
No additional information available	
SECTION 3: Composition/information of	on ingredients
Not applicable	
3.2. Mixtures	
This mixture does not contain any substances to be	mentioned according to the criteria of section 3.2 of REACH annex II
SECTION 4: First aid measures	
4.1. Description of first aid measures	
	Remove person to fresh air and keep comfortable for breathing.
	Wash skin with plenty of water.
-	Rinse eyes with water as a precaution.
Ũ	Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effects,	both acute and delayed
No additional information available	

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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according		
SECT	ION 5: Firefighting measures	
5.1.	Extinguishing media	
Suitable	e extinguishing media	: Water spray. Dry powder. Foam.
5.2.	Special hazards arising from the su	ubstance or mixture
Hazard fire	ous decomposition products in case of	: Toxic fumes may be released.
5.3.	Advice for firefighters	
Protect	ion durina firefiahtina	. Do not attempt to take action without suitable protective equipment. Self-contained breathing

Protection during firefighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTIO	SECTION 6: Accidental release measures				
6.1.	Personal precautions, protective equ	lipment and emergency procedures			
6.1.1.	For non-emergency personnel				
Emergen	cy procedures	: Ventilate spillage area.			
6.1.2.	For emergency responders				
Protective	e equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			
6.2.	Environmental precautions				
Avoid rele	ease to the environment.				
6.3.	Methods and material for containment	nt and cleaning up			
Methods	for cleaning up	: Mechanically recover the product.			
Other info	ormation	: Dispose of materials or solid residues at an authorized site.			
6.4.	Reference to other sections				
For furthe	er information refer to section 13.				
SECTIO	ON 7: Handling and storage				
7.1.	Precautions for safe handling				
Precautio	ons for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.			
Hygiene	measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.			
7.2.	Conditions for safe storage, includin	g any incompatibilities			
Storage of	conditions	: Store in a well-ventilated place. Keep cool.			
7.3.	Specific end use(s)				
No additi	onal information available				
SECTIO	ON 8: Exposure controls/perso	onal protection			
8.1.	Control parameters				
No additi	onal information available				

### 8.2. **Exposure controls**

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Hand protection:

### Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			EN 374-2

### Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Dust, Droplet	With side shields	EN 166

### Skin and body protection:

Wear suitable protective clothing

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Туре	Standard
Lab coat	

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Dust protection	EN 143, EN 149



### Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties         9.1. Information on basic physical and chemical properties         Physical state       : Solid         Colour       : Grey.         Odour threshold       : No data available         pH       : No data available         Relative evaporation rate (butylacetate=1)       : No data available         Melting point       : No data available         Freezing point       : No data available         Freign point       : No data available         Falsh point       : No data available         Auto-ignition temperature       : Not applicable         Decomposition temperature       : No data available         Flash point       : No data available         Flash point       : No tapplicable         Decomposition temperature       : No data available         Flash point       : No data available         Flash point       : No data available         Flash point       : No tapplicable         Decomposition temperature       : No data available         Flash point       : No data available         Relative vapour density at 20 °C       : No data available         Relative density       : Soluble in water.         Log Pow       : No data available <t< th=""><th></th><th></th><th></th></t<>			
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9.2. Other information	Oxidising properties	: No data available	
	Explosive limits	: Not applicable	
	9.2. Other information		

# SECTION 10: Stability and reactivity 10.1. Reactivity The product is non-reactive under normal conditions of use, storage and transport. 10.2. Chemical stability Stable under normal conditions. 10.3. Possibility of hazardous reactions No dangerous reactions known under normal conditions of use. 10.4. Conditions to avoid None under recommended storage and handling conditions (see section 7). 10.5. Incompatible materials

No additional information available

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according to Regulation (EU) 2015/830

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information         11.1. Information on toxicological iffects         Acate toxicity (dormal)       : Not classified         Acate toxicity (infalation)       : Not classified         Skin corrasion/inflation       : Not classified         Serious sy damage/inflation       : Not classified         Gene call mutages/inflation       : Not classified         Carrinogenicity       : Not classified         Carrinogenicity       : Not classified         Carrinogenicity       : Not classified         Store toxicity	Under normal conditions of storage and use, haz	ardous decomposition products should not be produced.			
11.1       Information on toxicological effects         Acute toxicity (orinal)       : Not classified         Acute toxicity (orinalion)       : Not classified         Serious ave damage/irritation       : Not classified         Serious ave damage/irritation       : Not classified         Germ cell multigenerity       : Not classified         Germ cell multigenerity       : Not classified         Germ cell multigenerity       : Not classified         Strious ave damage/irritation       : Not classified         Germ cell multigenerity       : Not classified         Strious ave damage/irritation       : Not classified         Striaution toxicity       : Not classified         Strious ave damage/irritation       : Not classified         Strious ave damage/irritation       : Not classified         Strious ave damage/irritation averable       : Not classified         Strious ave damage/irritation averable       : Not classified         Striotaverable <t< td=""><td colspan="5">SECTION 11: Toxicological information</td></t<>	SECTION 11: Toxicological information				
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Acute toxicity (initiation)       i       Not classified         Skin correspond/mitation       i       Not classified         Scrince syce damage/initiation       i       Not classified         Respiration of skin sensitication       i       Not classified         Carcinogenition       i       Not classified         Carcinogenition       i       Not classified         STOT-repeated exposure       i       Not classified         STOT-repeated exposure       i       Not classified         Store of mazard       i       Not classified         Store of classified       i       Not classif	Acute toxicity (oral)	: Not classified			
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Respiratory or skin sensitisation       : Not classified         Gern cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         STOT-negreated exposure       : Not classified         Stortion hazard       : Not classified         Stortion 12: Coological information       :         Stortion 12: Coological information       :         Causarie       : Not classified         Chronic aquatic toxicity       : Not classified         Chronic aquatic toxicity       : Not classified         Stortional information available       :         12.3       Bioaccumulative potential         No additional information available       :         12.4       Mobility in soil         No additional information available       :         12.5       Results of PPT and vPvB assessment         No additional information available       :         12.5       Other adverse offects         No adverse information	Skin corrosion/irritation	: Not classified			
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STOT-repeate exposure       : Not classified         Aspiration hazard       : Not classified         SECTION 12: Ecological information       Image: Section 12: Cological information         12.1. Toxicity       : The product is not considered hamful to aquatic organisms nor to cause long-term adverse effects in the environment.         Acute aquatic toxicity       : Not classified         Chronic aquatic toxicity       : Not classified         12.2. Persistence and degradability       Not classified         No additional information available	Reproductive toxicity	: Not classified			
Aspiration hazard : Not classified  SECTION 12: Ecological information  12.1. Toxicity  Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  Acute aquatic toxicity : Not classified  Chronic aquatic toxicity : Not classified  12.2. Persistence and degradability No additional information available  12.3. Bioaccumulative potential No additional information available  12.4. Mobility in soil No additional information available  12.5. Rosults of PBT and vPvB assessment No additional information available  12.6. Other adverse effects No additional information available  SECTION 13: Disposal considerations  SECTION 14: Transport information Incordance with ADR / RID / IMDG / IAT / ADN  ADR ID / IAT	STOT-single exposure	: Not classified			
Section 12: Ecological information         12.1. Toxicity         Ecology - general       The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.         Acute aquatic toxicity       IN of classified         Chronic aquatic toxicity       Not classified         12.2. Persistence and degradability       Not classified         No additional information available       1000000000000000000000000000000000000	STOT-repeated exposure	: Not classified			
12.1. Toxicity         Ecology - general       : The product is not considered humful to aquatic organisms nor to cause long-term adverse effects in the environment.         Acute aquatic toxicity       : Not classified         Chronic aquatic toxicity       : Not classified         12.2. Persistence and degradability       : Not classified         No additional information available	Aspiration hazard	: Not classified			
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Acute aquatic toxicity       : Not classified         Chronic aquatic toxicity       : Not classified         12.2. Persistence and degradability       .         No additional information available       .         12.3. Bioaccumulative potential       .         No additional information available       .         12.4. Mobility in soil       .         No additional information available       .         12.5. Results of PBT and vPvB assessment       .         No additional information available       .         12.6. Other adverse effects       .         No additional information available       .         12.6. Other adverse effects       .         No additional information available       .         12.6. Other adverse effects       .         No additional information available       .         12.6. Other adverse effects       .         No additional information available       .         12.1. Waste treatment methods       .         13.1. Waste treatment methods       .         13.1. Waste treatment methods       .         14.1. UN number       .         Not applicable       .         Not applicable       .         Not applicable       . <td></td> <td></td>					
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No supplementary information available					
		No supplementary information available			

Safety Data Sheet

according to Regulation (EU) 2015/830

### 14.6. Special precautions for user

### - Overland transport

Not applicable

### - Air transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### **SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.