

SAFETY DATA SHEET

# ABENA Puri-Line Dishwasher tablets all-in-one 120 stk (FC0278) EAN5703538393471

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

ABENA Puri-Line Dishwasher tablets all-in-one 120 stk (FC0278) EAN5703538393471

Product no.

HC0141

Unique formula identifier (UFI)

GJA2-00WX-P000-1MUE

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

For professional and private use

Uses advised against

No special.

1.3. Details of the supplier of the safety data sheet

Company and address

**Abena A/S**

Egelund 35

DK-6200 Aabenraa

Denmark

Tel.: +45 74 31 18 18

www.abena.dk

E-mail

info@abena.dk

Revision

02/09/2022

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Causes serious eye irritation. (H319)

**Safety statement(s)**

**General**

If medical advice is needed, have product container or label at hand. (P101)  
Keep out of reach of children. (P102)

**Prevention**

-

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)  
If eye irritation persists: Get medical advice/attention. (P337+P313)

**Storage**

-

**Disposal**

-

**Hazardous substances**

No special.

**Additional labelling**

EUH208, Contains subtilisin. May produce an allergic reaction.

**2.3. Other hazards**

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 UK-REACH: Index No.: 011-005-00-2	25-40%	Eye Irrit. 2, H319	
disodium carbonate, compound with hydrogen peroxide (2:3)	CAS No.: 15630-89-4 EC No.: 239-707-6 UK-REACH: Index No.:	10-15%	Ox. Sol. 2, H272 Acute Tox. 4, H302 (ATE: 1034.00 mg/kg) Eye Dam. 1, H318 (SCL: 25.00 %) Eye Irrit. 2, H319 (SCL: 7.50 %)	
Citric acid	CAS No.: 77-92-9 EC No.: 201-069-1 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319 STOT SE 3, H335	
Silicic,acid,sodium,salt	CAS No.: 1344-09-8	1-3%	Skin Irrit. 2, H315	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

	EC No.: 215-687-4		Eye Irrit. 2, H319 STOT SE 3, H335
	UK-REACH:		
	Index No.:		
C16-18 Alcohol Ethoxylate	CAS No.: 68439-49-6	1-3%	Eye Irrit. 2, H319
	EC No.:		
	UK-REACH:		
	Index No.:		
subtilisin	CAS No.: 9014-01-1	<1%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411
	EC No.: 232-752-2		
	UK-REACH:		
	Index No.: 647-012-00-8		

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

-

#### Labelling of contents according to Detergents Regulation (EC) No 648/2004

5% - 15%

- Oxygen-based bleaching Agents

< 5%

- Non-ionic surfactants
- Polycarboxylates
- Enzymes

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

IF ON SKIN: Wash with plenty of water/water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice

immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable.

#### 4.2. Most important symptoms and effects, both acute and delayed

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

This product contains substances that may trigger an allergic reaction in already sensitized persons.

Sensitisation: This product contains substances, which may produce an allergic reaction through inhalation. The allergic reaction typically takes place within an hour after exposure. The reaction results in an inflammatory reaction to the lungs.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Halogenated compounds

Sulphur oxides

Carbon oxides (CO / CO<sub>2</sub>)

Some metal oxides

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

#### 6.3. Methods and material for containment and cleaning up

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

No special conditions required.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

No specific requirements

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

—  
subtilisin

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 0,00004

Annotations:

Sen = Capable of causing occupational asthma.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### DNEL

No data available.

#### PNEC

No data available.

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above).

Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and showers are clearly marked.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment

#### Generally

No specific requirements

#### Respiratory Equipment

No specific requirements

#### Skin protection

No specific requirements.

#### Hand protection

No specific requirements.

#### Eye protection

No specific requirements.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Tablets

#### Colour

White

#### Odour / Odour threshold

Mild

#### pH

Testing not relevant or not possible due to the nature of the product.

#### pH in solution

10,8 (%)

#### Density (g/cm<sup>3</sup>)

Testing not relevant or not possible due to the nature of the product.

#### Kinematic viscosity

Does not apply to solids.

#### Particle characteristics

Testing not relevant or not possible due to the nature of the product.

#### Phase changes

##### Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

##### Softening point/range (waxes and pastes) (°C)

Does not apply to solids.

##### Boiling point (°C)

Does not apply to solids.

##### Vapour pressure

Testing not relevant or not possible due to the nature of the product.

##### Relative vapour density

Does not apply to solids.

##### Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

#### Data on fire and explosion hazards

##### Flash point (°C)

Does not apply to solids.

##### Ignition (°C)

Testing not relevant or not possible due to the nature of the product.

##### Auto flammability (°C)

Testing not relevant or not possible due to the nature of the product.

##### Lower and upper explosion limit (% v/v)

Does not apply to solids.

#### Solubility

##### Solubility in water

Testing not relevant or not possible due to the nature of the product.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

**n-octanol/water coefficient**

Testing not relevant or not possible due to the nature of the product.

**Solubility in fat (g/L)**

Testing not relevant or not possible due to the nature of the product.

**9.2. Other information**

**Other physical and chemical parameters**

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

No special.

**10.4. Conditions to avoid**

No special.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

Product/substance	sodium carbonate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	2800 mg/kg ·
Other information	

Product/substance	sodium carbonate
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2000 mg/kg ·
Other information	

Product/substance	disodium carbonate, compound with hydrogen peroxide (2:3)
Test method	
Species	Rabbit
Route of exposure	Oral
Test	LD50
Result	1034 mg/kg ·
Other information	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	disodium carbonate, compound with hydrogen peroxide (2:3)
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	0,17 mg/L ·
Other information	

Product/substance	Silicic,acid,sodium,salt
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	3400 mg/kg ·
Other information	

Product/substance	Silicic,acid,sodium,salt
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	2,06 mg/l ·
Other information	

Product/substance	Silicic,acid,sodium,salt
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>5000 mg/l ·
Other information	

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory sensitisation

This product contains substances that may trigger an allergic reaction in already sensitized persons.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### Endocrine disrupting properties

No special.

#### Other information

No special.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance	sodium carbonate
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	EC50
Result	300 mg/l ·
Other information	

Product/substance	sodium carbonate
Test method	
Species	Daphnia
Compartment	
Duration	96 hours
Test	EC50
Result	265 mg/l ·
Other information	

Product/substance	disodium carbonate, compound with hydrogen peroxide (2:3)
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	70,7 mg/l ·
Other information	

Product/substance	disodium carbonate, compound with hydrogen peroxide (2:3)
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	4,9 mg/l ·
Other information	

Product/substance	Silicic,acid,sodium,salt
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	1108 mg/l ·
Other information	

Product/substance	Silicic,acid,sodium,salt
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	1700 mg/l ·
Other information	

Product/substance	subtilisin
Test method	
Species	Algae
Compartment	
Duration	96 hours
Test	NOEC
Result	0,041 mg/l ·
Other information	

Product/substance	subtilisin
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	8,2 mg/l ·
Other information	

Product/substance	subtilisin
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	NOEC
Result	0,17 mg/l ·
Other information	

## 12.2. Persistence and degradability

Product/substance	disodium carbonate, compound with hydrogen peroxide (2:3)
Biodegradable	Yes
Test method	
Result	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	Silicic,acid,sodium,salt
Biodegradable	Yes
Test method	
Result	

Product/substance	subtilisin
Biodegradable	Yes
Test method	
Result	

### 12.3. Bioaccumulative potential

Product/substance	sodium carbonate
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.
Other information	

Product/substance	disodium carbonate, compound with hydrogen peroxide (2:3)
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.
Other information	

Product/substance	Silicic,acid,sodium,salt
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.
Other information	

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

No special.

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.  
HP 4 - Irritant (skin irritation and eye damage)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Dispose of contents/container to an approved waste disposal plant.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

**EWC code**

20 01 29\* Detergents containing dangerous substances

**Specific labelling**

Not applicable.

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to ADR, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

**SECTION 15: Regulatory information**

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

**Restrictions for application**

No special.

**Demands for specific education**

No specific requirements.

**SEVESO - Categories / dangerous substances**

Not applicable.

**Additional information**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Sources**

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

### Full text of H-phrases as mentioned in section 3

H272, May intensify fire; oxidiser.  
H302, Harmful if swallowed.  
H315, Causes skin irritation.  
H318, Causes serious eye damage.  
H319, Causes serious eye irritation.  
H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335, May cause respiratory irritation.  
H400, Very toxic to aquatic life.  
H411, Toxic to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CE = Conformité Européenne  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
CSA = Chemical Safety Assessment  
CSR = Chemical Safety Report  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EINECS = European Inventory of Existing Commercial chemical Substances  
ES = Exposure Scenario  
EUH statement = CLP-specific Hazard statement  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for Research on Cancer (IARC)  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### The safety data sheet is validated by

MLY

### Other

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en