

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 18 Nov 2022

Print date: 18 Nov 2022

Version: 5



Powering Business Worldwide

Page 1/8

## Panzym F2

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

#### 1.1. Product identifier

Trade name/designation:

Panzym F2

Additional information:

The substance does not require registration according to REACH.;

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

Use of the substance/mixture:

Enzyme preparations are biocatalysts used in a variety of industrial processes within food manufacturing

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**Eaton Technologies GmbH**

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

**Telephone:** +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

**Telefax:** +49 6704 204-121

**E-mail:** SDB@Eaton.com

**Website:** www.eaton.com/filtration

Notfallauskunft bei Vergiftungen: Giftinformationszentrum Mainz (Deutsch und Englisch).

Emergency medical information: Poison information center Mainz (German and English).

#### 1.4. Emergency telephone number

24h: +49 6131 19240

Notfallauskunft bei Vergiftungen: Giftinformationszentrum Mainz (Deutsch und Englisch).

Emergency medical information: Poison information center Mainz (German and English), 24h: +49 6131 19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Resp. Sens. 1)	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS08**

Health hazard

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 18 Nov 2022

Print date: 18 Nov 2022

Version: 5



Powering Business Worldwide

Page 2/8

## Panzym F2

Signal word: Danger

### Hazard statements for health hazards

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
------	--

### Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
------	---

P285	In case of inadequate ventilation wear respiratory protection.
------	--

### Precautionary statements Response

P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
-------------	---

P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/....
-------------	--

## 2.3. Other hazards

### Adverse physicochemical effects:

On basis of test data.: none

### Adverse human health effects and symptoms:

Repeated inhalation of enzyme dust or aerosols resulting improper handling may induce sensitization and may cause allergic type 1 reactions in sensitized individuals.

Irritant effect on the skin: mild irritant.

Irritant effect on the eye: mild irritant.

### Adverse environmental effects:

On basis of test data.: none

### Other adverse effects:

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### \* 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 9000-90-2 EC No.: 232-565-6 Index No.: 647-015-00-4	amylase, $\alpha$ - Resp. Sens. 1 (H334) <b>Danger</b>	1 - 15 %

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

Accidental release measures high concentrations

#### Following inhalation:

Effects: May produce an allergic reaction.

Symptoms: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Cough

Remove casualty to fresh air and keep warm and at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

#### In case of skin contact:

Effects: Frequently or prolonged contact with skin may cause dermal irritation.

Symptoms: mild irritant.

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

IF ON CLOTHING: Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use.

#### After eye contact:

Effects: Irritating to eyes.

Symptoms: mild irritant.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 18 Nov 2022

**Print date:** 18 Nov 2022

**Version:** 5



Powering Business Worldwide

Page 3/8

## Panzym F2

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

### Following ingestion:

Effects: The following symptoms may occur: Gastrointestinal complaints, Nausea, Vomiting

Symptoms: irritant.

Rinse mouth immediately and drink plenty of water. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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

No data available

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>), Water mist, alcohol resistant foam, Dry extinguishing powder

#### Unsuitable extinguishing media:

none

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

May produce an allergic reaction.

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Conditions to avoid: generation/formation of aerosols. Generation/formation of dust

Avoid contact with eyes and skin.

First aider: Pay attention to self-protection!

See protective measures under point 7 and 8.

#### 6.1.2. For emergency responders

No data available

### 6.2. Environmental precautions

No special environmental measures are necessary.

Collect spillage.

Conditions to avoid generation/formation of aerosols. Generation/formation of dust

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

#### For cleaning up:

Conditions to avoid: generation/formation of aerosols. Generation/formation of dust

Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols).

Provide adequate ventilation.

### 6.4. Reference to other sections

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 18 Nov 2022

**Print date:** 18 Nov 2022

**Version:** 5



*Powering Business Worldwide*

Page 4/8

## Panzym F2

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Conditions to avoid: generation/formation of aerosols. Generation/formation of dust

Avoid breathing dust/fume/gas/mist/vapours/spray.

Provide adequate ventilation as well as local exhaust at critical locations.

The product is especial fomulated to prevent formation of enzyme dust. However, inappropriate handling may cause formation of dust or aerosols.

When using do not eat, drink, smoke, sniff.

The product should be handled with the care usual when dealing with chemicals.

##### Fire prevent measures:

No special fire protection measures are necessary.

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

##### Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place.

#### 7.3. Specific end use(s)

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

Avoid dust formation.

Provide adequate ventilation as well as local exhaust at critical locations.

##### 8.2.2. Personal protection equipment

##### Eye/face protection:

Tightly sealed safety glasses.

##### Skin protection:

Hand protection: The selsection of suitable gloves not only depends on the material, but also on other quality characteristics. These may vary from manufacturer to manufacturer. Since the product is a preparation from several substances, the resistance of glove materials cannot be determined in advance and must therefore be checked prior to the application.

Suitable material: The glove material has to be impermeable and resistant to the product/the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Breakthrough time:: The exact break through time has to be found out by the manufacturer of the protective gloves nad has to be observed.

##### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Suitable respiratory protection apparatus: Particle filter device (EN 143) P 3

##### Other protection measures:

Protective clothing: lab coat

General health and safety measures: The usual precautionary measures are to be adhered to when handling chemicals.

When using do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

##### 8.2.3. Environmental exposure controls

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 18 Nov 2022

**Print date:** 18 Nov 2022

**Version:** 5



Powering Business Worldwide

Page 5/8

## Panzym F2

### SECTION 9: Physical and chemical properties

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

##### Appearance

**Physical state:** Liquid

**Colour:** dark brown

**Odour:** slight fermentation odour

##### 9.2. Other information

Odour, pH Value, Boiling Point, Melting Point, Flash Point, Ignition temperature, Vapour pressure, Density and Solubility are not relevant to safety. For further information see the Product Specification and the Product Sheet for this preparation.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

Substance is, under normal conditions, chemically stable.

#### 10.3. Possibility of hazardous reactions

not known.

#### 10.4. Conditions to avoid

none

#### 10.5. Incompatible materials

none

#### 10.6. Hazardous decomposition products

This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

### SECTION 11: Toxicological information

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

##### Acute oral toxicity:

Toxicological data are not available.

##### Acute dermal toxicity:

Toxicological data are not available.

##### Acute inhalation toxicity:

Toxicological data are not available.

##### Skin corrosion/irritation:

slightly irritant, OECD 404

##### Serious eye damage/irritation:

slightly irritant, OECD 405

##### Respiratory or skin sensitisation:

May cause sensitization by inhalation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

##### Germ cell mutagenicity:

No data available

##### Carcinogenicity:

No data available

##### Reproductive toxicity:

No data available

##### STOT-single exposure:

No data available

##### STOT-repeated exposure:

No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 18 Nov 2022

Print date: 18 Nov 2022

Version: 5



Powering Business Worldwide

Page 6/8

## Panzym F2

### Aspiration hazard:

No data available

### 11.2. Information on other hazards

#### Endocrine disrupting properties:

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Aquatic toxicity:

Ecological data are not available.

#### Terrestrial toxicity:

No data available

#### Effects in sewage plants:

No data available

### 12.2. Persistence and degradability

#### Additional information:

Further ecological information: The organic part of the product is biodegradable.

According to the present state of knowledge negative ecological effects are not expected.

### 12.3. Bioaccumulative potential

#### Accumulation / Evaluation:

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

not relevant

### 12.5. Results of PBT and vPvB assessment

amylase,  $\alpha$ - CAS No.: 9000-90-2 EC No.: 232-565-6

Results of PBT and vPvB assessment: —

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Do not allow to enter into surface water or drains.

#### Waste treatment options

#### Appropriate disposal / Package:

Non-contaminated packages may be recycled.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 18 Nov 2022

Print date: 18 Nov 2022

Version: 5



Powering Business Worldwide

Page 7/8

## Panzym F2

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

### 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

#### 15.1.1. EU legislation

No data available

#### 15.1.2. National regulations

##### [DE] National regulations

#### Water hazard class

##### WGK:

1 - schwach wassergefährdend

##### Source:

S Selbsteinstufung

### 15.2. Chemical Safety Assessment

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

3.2.	Mixtures
9.1.	Information on basic physical and chemical properties

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Resp. Sens. 1)	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 18 Nov 2022

**Print date:** 18 Nov 2022

**Version:** 5



*Powering Business Worldwide*

Page 8/8

## Panzym F2

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

\* Data changed compared with the previous version.