

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 22-01-20 Revision date: 22-01-20 Supersedes: 12-11-15 Version: 1.2

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

1.1. Product identifier

Product form : Mixture
Product name : FELEMA - PROLIBAC

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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Bahnhofstr. 12
CH 8712 Stäfa, Schweiz
T +41 (0)44926 23 05 - F +41 (0)55 254 00 59 E-Mail: info@felema.com www.felema.com

1.4. Emergency telephone number

Notrufnummer (normale Geschäftszeiten): International: 0041 55 254 00 54 Schweiz: 055 254 00 54

Country	Organisation/Company	Address	Emergency number	Comment
Switzerland	Tox Info Suisse	Freiestrasse 16 8032 Zürich	145	(from abroad: +41 44 251 51 51) Information: +41 44 251 66 66

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements : EUH208 - Contains Lipase. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

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

First-aid measures general : If on skin, take off contaminated clothing. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Allow affected person to breathe fresh air.
First-aid measures after skin contact : Wash skin with mild soap and water.
First-aid measures after eye contact : Rinse immediately with plenty of water.
First-aid measures after ingestion : Rinse mouth.

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

Symptoms/effects after inhalation : Cough.

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	: Redness.
Symptoms/effects after ingestion	: Abdominal pain, nausea.

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	: All extinguishing media allowed.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: None under normal conditions.
Explosion hazard	: Product is not explosive.

5.3. Advice for firefighters

Precautionary measures fire	: Self-contained breathing apparatus when in close proximity to fire.
Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate ventilation.
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6.1.1. For non-emergency personnel

Protective equipment	: Personal protection. See Heading 8.
Emergency procedures	: Evacuate area.

6.1.2. For emergency responders

Protective equipment	: Personal protection. See Heading 8. Equip cleanup crew with proper protection.
Emergency procedures	: Stop leak if safe to do so. Evacuate unnecessary personnel.

6.2. Environmental precautions

No special requirements.

6.3. Methods and material for containment and cleaning up

For containment	: Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dilute residue with water.
Other information	: Spill area may be slippery.

6.4. Reference to other sections

See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: When handling product, avoid contact with skin and eyes.
Precautions for safe handling	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well-ventilated place away from moisture. Keep container closed when not in use.
Incompatible products	: None to our knowledge.
Incompatible materials	: None to our knowledge.
Storage temperature	: 4 - 25 °C
Heat and ignition sources	: Store away from direct sunlight or other heat sources.
Storage area	: Store away from heat.
Special rules on packaging	: Keep only in original container.
Packaging materials	: PEHD.

7.3. Specific end use(s)

Septictank.

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

butanone; ethyl methyl ketone (78-93-3)	
EU - Occupational Exposure Limits	
Local name	Butanone
IOELV TWA (mg/m ³)	600 mg/m ³
IOELV TWA (ppm)	200 ppm
IOELV STEL (mg/m ³)	900 mg/m ³
IOELV STEL (ppm)	300 ppm
Austria - Occupational Exposure Limits	
MAK (mg/m ³)	295 mg/m ³ Skin
MAK (ppm)	100 ppm Skin
MAK Short time value (mg/m ³)	590 mg/m ³ Skin
MAK Short time value (ppm)	200 ppm Skin
Denmark - Occupational Exposure Limits	
Grænseværdie (langvarig) (mg/m ³)	145 mg/m ³ Skin
Grænseværdie (langvarig) (ppm)	50 ppm Skin
Finland - Occupational Exposure Limits	
HTP-arvo (15 min) (ppm)	100 ppm Skin
OEL Ceiling (mg/m ³)	300 mg/m ³ Skin
France - Occupational Exposure Limits	
VME (mg/m ³)	600 mg/m ³
VME (ppm)	200 ppm
VLE (mg/m ³)	900 mg/m ³
VLE (ppm)	300 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	600 mg/m ³
Occupational exposure limit value (ppm)	200 ppm
Limitation of exposure peaks (mg/m ³)	600 mg/m ³
Limitation of exposure peaks (ppm)	200 ppm
TRGS 900 Remark	Skin
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	200
OEL TWA (ppm)	67 ppm
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m ³)	590 mg/m ³ Skin
Grenswaarde TGG 15MIN (mg/m ³)	900 mg/m ³ Skin
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	450 mg/m ³
NDSch (mg/m ³)	900 mg/m ³

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	600 mg/m ³
VLA-ED (ppm)	200 ppm
VLA-EC (mg/m ³)	900 mg/m ³
VLA-EC (ppm)	300 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	600 mg/m ³
WEL TWA (ppm)	200 ppm
WEL STEL (mg/m ³)	899 mg/m ³
WEL STEL (ppm)	300 ppm
Remark (WEL)	Skin
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m ³)	220 mg/m ³
Grenseverdier (AN) (ppm)	75 ppm
Grenseverdier (Korttidsverdi) (mg/m ³)	275 mg/m ³
Grenseverdier (Korttidsverdi) (ppm)	112,5 ppm
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	590 mg/m ³
MAK (ppm)	200 ppm
KZGW (mg/m ³)	590 mg/m ³
KZGW (ppm)	200 ppm
Remark	Skin
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	600 mg/m ³
ACGIH TWA (ppm)	200 ppm
ACGIH STEL (mg/m ³)	900 mg/m ³
ACGIH STEL (ppm)	300 ppm
ethanol; ethyl alcohol (64-17-5)	
France - Occupational Exposure Limits	
VME (mg/m ³)	1900 mg/m ³
VME (ppm)	1000 ppm
VLE (mg/m ³)	9500 mg/m ³
VLE (ppm)	5000 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	1920 mg/m ³
WEL TWA (ppm)	1000 ppm
Lipase (9001-62-1)	
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	1 mg/m ³

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

subtilisin (9014-01-1)	
Denmark - Occupational Exposure Limits	
Grænseværdie (langvarig) (mg/m ³)	0,00006 mg/m ³
Grænseværdie (kortvarig) (mg/m ³)	0,00006 mg/m ³
Germany - Occupational Exposure Limits (Generic OEL data)	
Exposure limit values ((8 Hours))	1 glycine unit/m ³
Exposure limit values ((15 minutes))	3 glycine unit/m ³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	0,00006 mg/m ³
OEL (15 min ref) (mg/m ³)	0,00006 mg/m ³
Netherlands - Occupational Exposure Limits	
MAC C (mg/m ³)	0,00006 mg/m ³
Portugal - Occupational Exposure Limits	
OEL - Ceilings (mg/m ³)	0,00006 mg/m ³
Spain - Occupational Exposure Limits	
VLA-EC (mg/m ³)	0,00006 mg/m ³
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	1 glycine unit/m ³
kortidsvärde (KTV) (mg/m ³)	3 glycine unit/m ³
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	0,00004 mg/m ³
Norway - Occupational Exposure Limits	
Grenseverdier (Takverdi) (mg/m ³)	0,00006 mg/m ³
Switzerland - Occupational Exposure Limits	
KZGW (mg/m ³)	0,00006 mg/m ³

8.2. Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation.

Hand protection:

In case of repeated or prolonged contact wear gloves. (EN 134)

Eye protection:

Chemical goggles or safety glasses. Eye protection (standard EN 166)

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Thermal hazard protection:

Not applicable.

Environmental exposure controls:

None.

Other information:

The equipment must be cleaned thoroughly after each use.

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: light yellow.
Odour	: characteristic.
Odour threshold	: Not determined
pH	: 6,5 - 7,5
Relative evaporation rate (butylacetate=1)	: Not applicable
Relative evaporation rate (ether=1)	: Not applicable
Melting point	: The product has not been tested
Freezing point	: The product has not been tested
Boiling point	: The product has not been tested
Flash point	: The product has not been tested
Critical temperature	: The product has not been tested
Auto-ignition temperature	: The product has not been tested
Decomposition temperature	: The product has not been tested
Flammability (solid, gas)	: Not applicable
Vapour pressure	: The product has not been tested
Relative vapour density at 20 °C	: No data available
Relative density	: 0,975 - 1,075
Solubility	: No data available
Log Pow	: The product has not been tested
Log Kow	: The product has not been tested
Viscosity, kinematic	: No data available
Viscosity, dynamic	: The product has not been tested
Explosive properties	: Product is not explosive.
Oxidising properties	: Not applicable.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None under normal conditions.

10.6. Hazardous decomposition products

In the event of fire, may decompose : Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 6,5 - 7,5
Serious eye damage/irritation	: Not classified pH: 6,5 - 7,5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

FELEMA - PROLIBAC

Log Pow	The product has not been tested
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Log Kow	The product has not been tested
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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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : When totally empty, containers are recyclable like any other packing.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 20 01 30 - detergents other than those mentioned in 20 01 29

R code/ D code : D4 - Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

FELEMA - PROLIBAC

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Inland waterway transport

No data available

Rail transport

No data available

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

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	SDS EU format	Modified	
	Date of issue	Modified	
	Revision date	Modified	
	Supersedes	Modified	

Full text of H- and EUH-statements:

EUH208	Contains Lipase. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

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.