

# FELEMA - SANO BLOCK

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 23-01-20 Revision date: 23-01-20 Supersedes: 12-11-15 Version: 3.2

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : FELEMA - SANO BLOCK  
Type of product : Detergent

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use, Professional use

##### 1.2.2. Uses advised against

No additional information available

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

Felema GmbH  
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](http://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]

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P102 - Keep out of reach of children.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear eye protection, face protection, protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P501 - Dispose of contents/container to hazardous or special waste collection point.  
Child-resistant fastening : Not applicable  
Tactile warning : Not applicable

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	(CAS-No.) 68411-30-3 (EC-No.) 270-115-0 (REACH-no) 01-2119489428-22	> 30	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	(CAS-No.) 68411-30-3 (EC-No.) 270-115-0 (REACH-no) 01-2119489428-22	( 0 =<C < 65) Acute Tox. 4 (Oral), H302

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Take off immediately all contaminated clothing. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air. Allow affected person to breathe fresh air.
First-aid measures after skin contact	: Wash with plenty of water/.... Rinse immediately with plenty of water (for at least 15 minutes).
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately flush eyes thoroughly with water for at least 15 minutes. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Do not eat or drink.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Cough. May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
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	: Do not use a heavy water stream.

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

Fire hazard	: Not flammable.
Explosion hazard	: Product is not explosive.
Hazardous decomposition products in case of fire	: Thermal decomposition generates : Carbon oxides (CO, CO2).

### 5.3. Advice for firefighters

Precautionary measures fire	: Wear proper protective equipment.
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	: Dike for recovery or absorb with appropriate material.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Avoid contact with skin and eyes. Personal protection.
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Emergency procedures : Evacuate area.

### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. See Heading 8.

Emergency procedures : Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Dike for recovery or absorb with appropriate material.

Methods for cleaning up : Collect spillage.

Other information : Use suitable disposal containers. Never return spills in original containers for possible later re-use.

### 6.4. Reference to other sections

See Heading 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

Hygiene measures : Always wash hands after handling the product.

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

Storage conditions : Keep only in the original container. Keep container tightly closed.

Storage temperature : 4 - 25 °C

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

Storage area : Store away from heat. Keep out of reach of children.

Special rules on packaging : Keep only in original container.

Packaging materials : PEHD.

### 7.3. Specific end use(s)

Cleaning/washing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Sodium sulphate (7757-82-6)

##### Latvia - Occupational Exposure Limits

OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
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#### hexan-1-ol (111-27-3)

##### Germany - Occupational Exposure Limits (TRGS 900)

Occupational exposure limit value (mg/m <sup>3</sup> )	210 mg/m <sup>3</sup>
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Occupational exposure limit value (ppm)	50 ppm
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Limitation of exposure peaks (mg/m <sup>3</sup> )	210 mg/m <sup>3</sup>
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Limitation of exposure peaks (ppm)	50 ppm
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#### dodecan-1-ol (112-53-8)

##### Germany - Occupational Exposure Limits (TRGS 900)

Occupational exposure limit value (mg/m <sup>3</sup> )	155 mg/m <sup>3</sup>
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Occupational exposure limit value (ppm)	20 ppm
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Limitation of exposure peaks (mg/m <sup>3</sup> )	155 mg/m <sup>3</sup>
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Limitation of exposure peaks (ppm)	20 ppm
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##### Latvia - Occupational Exposure Limits

OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
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#### dipentene; limonene (138-86-3)

##### USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (mg/m <sup>3</sup> )	140 mg/m <sup>3</sup>
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ACGIH TWA (ppm)	25 ppm
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ACGIH STEL (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
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ACGIH STEL (ppm)	50 ppm
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### 8.2. Exposure controls

#### Appropriate engineering controls:

No special protection required where adequate ventilation is maintained.

#### Personal protective equipment:

Gloves.

<b>Hand protection:</b>
Chemical resistant PVC gloves (to European standard EN 374 or equivalent)
<b>Eye protection:</b>
Eye protection (standard EN 166)
<b>Skin and body protection:</b>
No special clothing/skin protection equipment is recommended under normal conditions of use
<b>Respiratory protection:</b>
Provide local exhaust or general room ventilation.

#### Personal protective equipment symbol(s):



#### Environmental exposure controls:

Avoid release to the environment.

#### Consumer exposure controls:

Do not eat, drink or smoke during use.

#### Other information:

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Pellets/tablets.
Colour	: Green.
Odour	: Lemon.
Odour threshold	: No data available
pH	: No data available
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	: Not applicable
Critical temperature	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not applicable The product is not flammable.
Vapour pressure	: The product has not been tested
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: The product has not been tested
Solubility	: Soluble in water.
Log Pow	: The product has not been tested
Log Kow	: The product has not been tested

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Not applicable.
Explosive limits	: Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 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

No special measures required.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). In the event of fire, may decompose :

## 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

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

LD50 oral rat	1080 mg/kg
LOAEL, rat	250 mg/kg bw (28 days)
NOAEL, rat	125 mg/kg bw (28 days)

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: (OECD 438 method)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
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)	: Harmful to aquatic life with long lasting effects.

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

LC50, fish, <i>Lepomis macrochirus</i>	1,67 mg/l (96 Hours)
NOEC, fish	0.23 - 3,2 mg/l (28 - 196 days)
EC50, crustaceans, <i>Daphnia magna</i>	2,9 mg/l (48 Hours)
ErC50, algae, <i>Pseudokirchneriella subcapitata</i>	29 mg/l (96 Hours)
NOEC, algae	3,1 - 4.0 mg/l (15 - 28 days)
NOEC, crustaceans	0.59 - 4.5 mg/l (2 - 32 days)

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### 12.2. Persistence and degradability

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
Persistence and degradability	Biodegradable.
Biodegradation	> 98 % (OECD 301D method)(OECD 303 method)

### 12.3. Bioaccumulative potential

FELEMA - SANO BLOCK	
Log Pow	The product has not been tested
Log Kow	The product has not been tested

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
Log Kow	3,4

### 12.4. Mobility in soil

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
Log Koc	3,4
Ecology - soil	low mobility.

### 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.
Waste treatment methods	: Remove to an authorized waste treatment plant.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point.
Ecology - waste materials	: Avoid release to the environment. WHEN TOTALLY EMPTY, containers are recyclable like any other packing.
European List of Waste (LoW) code	: 20 01 29* - detergents containing dangerous substances
HP Code	: H4 - 'Irritant': non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.
R code/ D code	: D9 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
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				

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### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

#### 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

Detergent Regulation : Labelling of contents:	
Component	%
anionic surfactants	>=30%
enzymes	
perfumes	

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 2, Significantly 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 : Sodium dodecyl benzene sulfonate is listed

SZW-lijst van mutagene stoffen : Sodium dodecyl benzene sulfonate is 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

##### Denmark

Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

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### SECTION 16: Other information

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

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

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.*