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

### 1.1. Product identifier

Name of product FELCO 981

### 1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

Removes resin residues

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

#### Manufacturer

FELCO SA

Rue des Mélèzes 4, CH-2206 Geneveys-sur-Coffrane  
Phone +41 (0) 32 858 14 11, Fax +41 (0) 32 857 19 30

Mail: info@felco.com

#### Advice

Product safety service

Phone +41 (0) 32 858 14 11

E-mail (competent person): info@felco.com

### 1.4. Emergency telephone number

#### Emergency advice

In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Skin Irrit. 2	H315	
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Eye Irrit. 2	H319	
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#### Hazard statements for health hazards

H315 Causes skin irritation.

H319 Causes serious eye irritation.

### 2.2. Label elements

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



GHS07

#### Signal word

Warning



**Hazard statements for health hazards**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**Precautionary Statements**

**General**

P102 Keep out of reach of children.

**Prevention**

P264 Nach Gebrauch Hände gründlich waschen.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P302 + P352 IF ON SKIN: Wash with plenty of water/...  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P362 Take off contaminated clothing.

**2.3. Other hazards**

No information available.

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

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
1310-58-3	215-181-3	potassium-hydroxide	< 2	Acute Tox. 4, H302 / Skin Corr. 1A, H314

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.  
If intensive inhalation of fumes seek medical treatment immediately.

**In case of skin contact**

In case of contact with skin wash off immediately with plenty of water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

**In case of ingestion**

If swallowed seek medical advice immediately and show the doctor packing or label.  
Rinse out mouth and give plenty of water to drink.



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

No information available.

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

**Treatment (Advice to doctor)**

Treat symptoms.

After swallowing: Early endoscopy, to evaluate possibly occurred alternation of the mucous membrane in oesophagus and stomach. If necessary suction of remained substance.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

No information available.

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

No information available.

**5.3. Advice for firefighters**

**Additional information**

Product is incombustible

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Use personal protective clothing.

Avoid contact with substance

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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

Dilute with water.

Flush away residues with water.

Take up mechanically and send for disposal.

**6.4. Reference to other sections**

No information available.

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

No special measures necessary if used correctly.

**General protective measures**

Avoid contact with eyes and skin

**Hygiene measures**

Clean skin thoroughly after working.

At work do not eat, drink, smoke or take drugs.

Remove soiled or soaked clothing immediately.

**Advice on protection against fire and explosion**

The product is not combustible.

No special measures necessary.



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

**Requirements for storage rooms and vessels**

Keep in closed original container.

**Advice on storage compatibility**

Do not store together with food.

**Further information on storage conditions**

Keep container tightly closed, open and handle carefully.

Storage temperature between 0°C to 30°C (=32°F to 86°F), maximum 50°C (=122°F).

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

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

No information available.

**8.2. Exposure controls**

**Respiratory protection**

Not required with correct application

**Hand protection**

Gloves (alkali-resistant)

The material of the gloves has to be impermeable and consistent for the substance. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

**Eye protection**

With demand: protective glasses

**SECTION 9: Physical and chemical properties**

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

**Appearance**

viscous

**Colour**

brownish

**Odour**

product-specific

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	13,5	20 °C			
<b>Boiling temperature / boiling range</b>	not determined				
<b>pourpoint</b>	-15 °C				
<b>Flash point</b>	not determined				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				



	Value	Temperature	at	Method	Remark
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	1,055 g/cm <sup>3</sup>	20 °C		1013 hPa	
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					multimiscible
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	ca. 35 mm <sup>2</sup> /s				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	No information available.				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

No hazardous reactions known.

Temp > 50°C



### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

### Additional information

Product is stable under normal storage conditions

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	6400 mg/kg	rat		
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	strong irritant			
<b>Skin sensitization</b>	non-sensitizing			

#### Toxicity test (Additional information)

No experimental indication of genotoxicity in vitro ( Ames-test negative ).

No experimental indication of genotoxicity in vivo (micronucleus test negative ).

There is no risk for a normal operation application

#### Additional information

The product has to be handled with usual caution for chemicals

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 > 5000 mg/l (96 h)	Oncorhynchus mykiss		
<b>Daphnia</b>	EC50 > 1500 mg/l (48 h)	Daphnia magna		
<b>Algae</b>	EC50 > 1000 mg/l (72 h)	Selenastrum capricornutum		
<b>Bacteria</b>	EC50 > 10000 mg/l (4 h)	Nitrifying bacteria		

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	The used surfactants comply the terms of the biodegradability in the regulation (EG) Nr. 648/2004.			readily degradable

#### Biological eliminability

The product is readily biodegradable to OECD criteria.

### 12.3. Bioaccumulative potential



No information available.

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

No information available.

#### 12.6. Other adverse effects

##### Behaviour in sewage plant

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

##### General regulation

The breakdown properties of the product have not been tested. The information on these is given on the basis of details in the literature.

The behaviour of the product in sewage treatment plants has not been tested. The information on this is given on the basis of details in the literature.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature. This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Recommendations for the product

Incinerate in suitable incineration plant, but care for official regulations.

##### Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

Barrel: return by DSD ( Dualistic System Germany )

##### Recommended cleansing agent

Water or commercial cleaning agents

##### General information

Waste removal corresponding to official directives

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-



**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available.

**Transport/further information**

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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**SECTION 15: Regulatory information**

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

**National regulations**

**Water hazard class** 1 self-classification

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information**

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Keep out of the reach of children.

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.4

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.