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## Safety Data Sheet SABOSOL PGO



Safety Data Sheet dated 15/6/2018, version 6

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

#### 1.1. Product identifier

Mixture identification:

Trade name: SABOSOL PGO

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

Recommended use:

Surfactant

Industrial uses: Uses of substances as such or in preparations at industrial sites

Formulation [mixing] of preparations and/or re-packaging

Formulation for cosmetic product

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

Competent person responsible for the safety data sheet:

[sds@sabo.com](mailto:sds@sabo.com)

#### 1.4. Emergency telephone number

Sabo Spa

Tel +39 035 596000

fax +39 035 594400

8.00-18.00

PHONE: +39-0362 512868 24/24H, 365 days/year into National Response Center Emergency

Transport service S.E.T

### SECTION 2: Hazards identification

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

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements:

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/clothing and eye/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

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P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

Special Provisions:

None

Contains

D-Glucose, decyl octyl ethers, oligomeric

ALKYL POLYGLYCOSIDES

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Product type and use: Sufactants

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 15% - < 20%	ALKYL POLYGLYCOSIDES	CAS: 110615-47-9 EC: 600-975-8 REACH No.: 01- 2119489418 -23-XXXX	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318
>= 15% - < 20%	D-Glucose, decyl octyl ethers, oligomeric	CAS: 68515-73-1 EC: 500-220-1 REACH No.: 01- 2119488530 -36-XXXX	⚠ 3.3/1 Eye Dam. 1 H318
>= 3% - < 5%	CITRIC ACID	CAS: 77-92-9 EC: 201-069-1	⚠ 3.3/2 Eye Irrit. 2 H319

### SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION

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IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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### SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage recommended at room temperature

Keep away from food, drink and feed.

Incompatible materials:

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None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No occupational exposure limit available

#### DNEL Exposure Limit Values

ALKYL POLYGLYCOSIDES - CAS: 110615-47-9

Worker Industry: 595000 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 420 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 357000 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 124 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

D-Glucose, decyl octyl ethers, oligomeric - CAS: 68515-73-1

Worker Industry: 595000 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 420 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 357000 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Consumer: 124 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

ALKYL POLYGLYCOSIDES - CAS: 110615-47-9

Target: Fresh Water - Value: 0.176 mg/l

Target: Marine water - Value: 0.0176 mg/l

Target: 10 - Value: 0.27 mg/l

Target: 08 - Value: 560 mg/l

Target: Freshwater sediments - Value: 1.516 mg/kg

D-Glucose, decyl octyl ethers, oligomeric - CAS: 68515-73-1

Target: Fresh Water - Value: 0.176 mg/l

Target: Marine water - Value: 0.0176 mg/l

Target: 10 - Value: 0.27 mg/l

Target: 08 - Value: 560 mg/l

Target: Freshwater sediments - Value: 1.516 mg/kg

CITRIC ACID - CAS: 77-92-9

Target: Fresh Water - Value: 440 mg/l

Target: Freshwater sediments - Value: 34.6 mg/kg

Target: Marine water sediments - Value: 3.46 mg/kg

Target: Soil (agricultural) - Value: 33.1 mg/kg

### 8.2. Exposure controls

#### Eye protection:

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

#### Protection for hands:

##### Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374)

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Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium /high

efficiency for solid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

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### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	viscous liquid, yellowish	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	3.0 - 4.0 sol. 5%	--	--
Melting point / freezing point:	< 20°C	--	--
Initial boiling point and boiling range:	100°C	--	--
Flash point:	> 100°C ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.05 - 1.10	--	--
Solubility in water:	soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--

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Viscosity:	4000 - 800	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

### 9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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## SECTION 10: Stability and reactivity

- 10.1. Reactivity  
no hazardous reactions if stored and handled as indicated
- 10.2. Chemical stability  
The product is stable if stored and handles as prescribed/indicate
- 10.3. Possibility of hazardous reactions  
No hazardous reaction when stored and handled as prescribe/indicated
- 10.4. Conditions to avoid  
substances to avoid: strong oxidizing agents, strong bases, strong acids
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

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## SECTION 11: Toxicological information

- 11.1. Information on toxicological effects  
Toxicological information of the product:  
SABOSOL PGO
  - a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met
  - b) skin corrosion/irritation  
The product is classified: Skin Irrit. 2 H315
  - c) serious eye damage/irritation  
The product is classified: Eye Dam. 1 H318
  - d) respiratory or skin sensitisation  
Not classified  
Based on available data, the classification criteria are not met
  - e) germ cell mutagenicity  
Not classified  
Based on available data, the classification criteria are not met
  - f) carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met
  - g) reproductive toxicity  
Not classified

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- Based on available data, the classification criteria are not met
- h) STOT-single exposure  
Not classified  
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure  
Not classified  
Based on available data, the classification criteria are not met
- j) aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met
- Toxicological information of the main substances found in the product:
- ALKYL POLYGLYCOSIDES - CAS: 110615-47-9
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
- b) skin corrosion/irritation:  
Test: Skin Irritant - Species: Rabbit Positive
- c) serious eye damage/irritation:  
Test: Eye Irritant Positive
- CITRIC ACID - CAS: 77-92-9
- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 11700 mg/l  
Test: LD50 - Route: Oral - Species: Mouse = 5400 mg/kg  
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
- b) skin corrosion/irritation:  
Test: Skin Irritant Negative - Source: OECD 404
- c) serious eye damage/irritation:  
Test: Eye Irritant Positive - Source: OECD 405
- d) respiratory or skin sensitisation:  
Test: Skin Sensitization - Species: Guinea pig Negative
- e) germ cell mutagenicity:  
Test: Mutagenesis Negative

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### SECTION 12: Ecological information

- 12.1. Toxicity  
Adopt good working practices, so that the product is not released into the environment.
- SABOSOL PGO  
Not classified for environmental hazards  
Based on available data, the classification criteria are not met
- CITRIC ACID - CAS: 77-92-9
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish 440 mg/l - Duration h: 48  
Endpoint: LC50 - Species: Daphnia 1535 mg/l - Duration h: 24
- e) Plant toxicity:  
Endpoint: LC50 - Species: Algae 425 mg/l - Duration h: 168
- 12.2. Persistence and degradability  
None
- ALKYL POLYGLYCOSIDES - CAS: 110615-47-9  
Biodegradability: Readily biodegradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.
- CITRIC ACID - CAS: 77-92-9  
Biodegradability: Readily biodegradable - Test: Dissolved organic carbon - Duration: 28 days - %: 97 - Notes: N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil

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N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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### SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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### SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

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### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None



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### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

None

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### SECTION 16: Other information

Text of phrases referred to under heading 3:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

Paragraphs changed from the previous version:

SECTION 2: Hazards identification

SECTION 4: First aid measures

SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information

SECTION 13: Disposal considerations

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of  
Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical

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	Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.