

Example for the use of SAFIN.net software

Starting point:

SaniClean product formulation:

- 8 % sulphamidic acid
- 8 % orthophosphoric acid
- 6 % surfactant (nonionic)
- 78 % water

Goals:

- Create an MSDS
- Creation of a multilingual label
- Creation of a tremcard
- Creation of an operating instruction

Solution:

The task is divided into several parts:

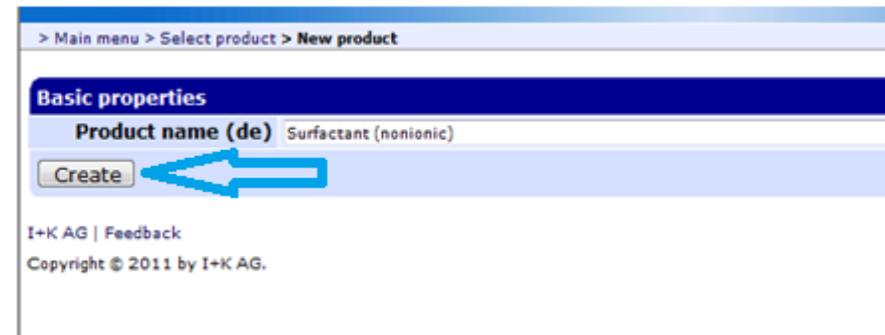
1. Input of preparation's data and calculation of the classification.
2. Structure of the safety data sheet with the 16 sections.
3. Translation and download of the safety data sheet.
4. Creation of the label in raw format.
5. Creation of the tremcard.
6. Creation of the operating instruction.

1. Input of the preparation and calculation of the classification

Preparation

For this example you need an extra ingredient which you first need to create.

Go to the main menu on the left to → Products → Edit product; then click „create“. Then you will see the screen on the right. Here you enter „surfactant (nonionic)“ and click again on create.



> Main menu > Select product > **New product**

Basic properties

Product name (de) Surfactant (nonionic)

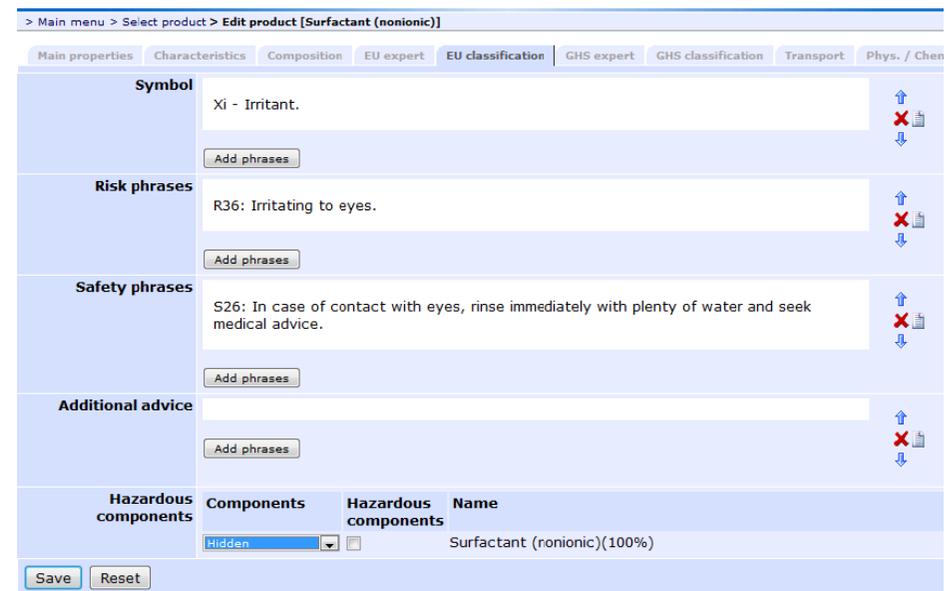
Create

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For this ingredient the EU and GHS/CLP classification is required.

Therefore please proceed to „EU classification“ and select the phrases as indicated.

(Click „Add phrases“, select a phrase with a double click)



> Main menu > Select product > **Edit product [Surfactant (nonionic)]**

Main properties | Characteristics | Composition | EU expert | **EU classification** | GHS expert | GHS classification | Transport | Phys. / Chem

Symbol
Xi - Irritant. ↑ ↓ ✕ 📄
Add phrases

Risk phrases
R36: Irritating to eyes. ↑ ↓ ✕ 📄
Add phrases

Safety phrases
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. ↑ ↓ ✕ 📄
Add phrases

Additional advice
↑ ↓ ✕ 📄
Add phrases

Hazardous components	Components	Hazardous components	Name
	Hidden	<input type="checkbox"/>	Surfactant (nonionic)(100%)

Save Reset

Now go to „GHS classification“ and add there the phrases as shown.

(Click „Add phrases“, select the phrase with a double click)

If only the EU classification is known also the option „EU→GHS“ can be chosen. The P-phrases can be either taken over or can also be changed/processed manually.

Save the product and click on „Main menu“.

Now you can get started!

Hazardous components	Components	Real value	Displayed value	User defined value	Name
	Hidden	00%	> 50%		Surfactant (nonionic)

Hazard codes Result:
CEy2

H phrases Expansion:
CEy2: H319
Result:
H319 : Causes serious eye irritation.

P phrases Expansion:
H319: P264a(4) P280c(1) P305+P351+P338(2) P337+P313(3)
Result:
P264a : Wash skin thoroughly after handling.
P280c : Wear protective gloves/ eye protection/ 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.
P337+P313 : If eye irritation persists: Get medical advice/ attention.

Signal word Expansion:
CEy2: W
Result:
W

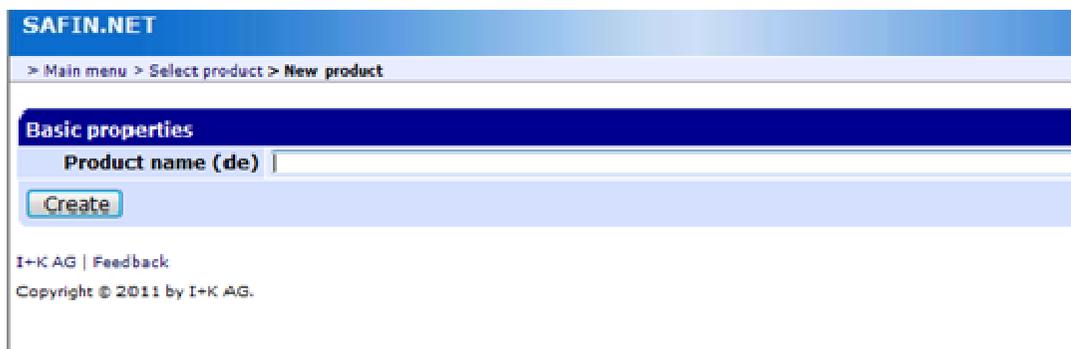
Pictograms Expansion:
CEy2: X
Result:
X

Save Reset EU -> GHS

Create product:

In the main menu on the left, choose „Edit product“ and then click on „Create“.

Now enter the desired product name and click again on „Create“.
The product name can be also changed later and can be stored in different languages.



The screenshot shows the SAFIN.NET interface. At the top, there is a blue header with the text 'SAFIN.NET'. Below it, a breadcrumb trail reads '> Main menu > Select product > New product'. The main content area is titled 'Basic properties' and contains a text input field for 'Product name (de)'. Below the input field is a 'Create' button. At the bottom left, there is a footer with the text 'I+K AG | Feedback' and 'Copyright © 2011 by I+K AG'.

You can now assign the characteristics to the newly created product.

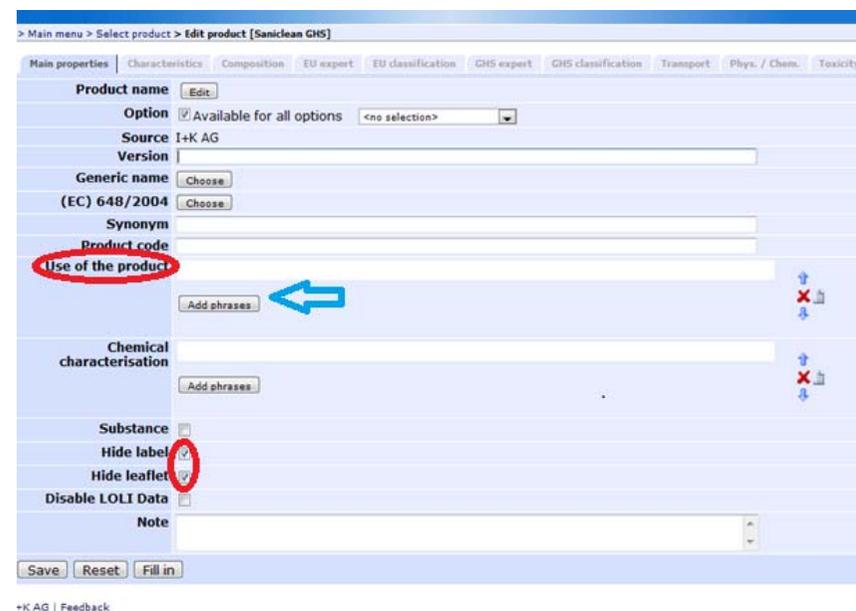
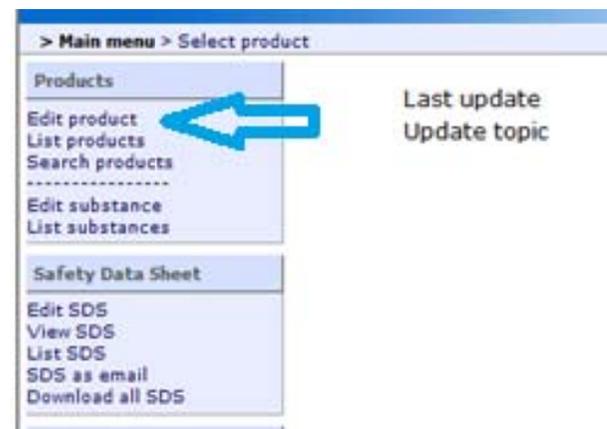
The individual entries can be edited using the tools appearing on the right edge.

To **delete** a phrase, select it and click the red cross.

To **move** a phrase select it and click the arrow up/down or drag and drop it.

The order chosen is being kept in the MSDS and automatically saved.

On this page the **product group** (Generic name) can be chosen and the other product properties will be assigned automatically. Just click on „Choose“ and search with the help of the filter corresponding to the name, select it and click „select phrase“. On this page can also be determined whether a label should be available for the product or not and also if the operating instruction should appear.



The screenshot shows the 'Edit product' form for 'Saniclean GHS'. The breadcrumb trail is '> Main menu > Select product > Edit product [Saniclean GHS]'. The form has several tabs: 'Main properties', 'Characteristics', 'Composition', 'EU expert', 'EU classification', 'GHS expert', 'GHS classification', 'Transport', 'Phys. / Chem.', and 'Toxicity'. The 'Main properties' tab is active. It contains fields for 'Product name' (with an 'Edit' button), 'Option' (with a checked box for 'Available for all options' and a dropdown menu), 'Source' (I+K AG), 'Version', 'Generic name' (with a 'Choose' button), '(EC) 648/2004' (with a 'Choose' button), 'Synonym', 'Product code', and 'Use of the product' (circled in red). Below these fields are 'Add phrases' buttons and vertical arrows for moving items. The 'Chemical characterisation' section has another 'Add phrases' button. At the bottom, there are checkboxes for 'Substance', 'Hide label' (checked), 'Hide leaflet' (checked), and 'Disable LOLI Data'. A 'Note' field is at the very bottom. At the bottom left, there are 'Save', 'Reset', and 'Fill in' buttons. At the bottom right, there is a footer with the text 'I+K AG | Feedback'.

> Main menu > Select product > Edit product > Add product [Phosphoric acid, Orthophosphoric acid]

Search

Origin I+K AG Annex Merck EFFA

Search text

Result

- diphosphoric acid,nickel(II)salt
- Phosphoric acid, decyl ester, potassium salt
- Phosphoric acid, calcium salt
- phosphoric acid,calcium nickelsalt
- polyphosphoric acid, copper, sodium, magnesium, calcium, silver and zinc salt
- polyphosphoric acids, sodium salts

Select the ingredients now. The phosphoric and sulfamic acid are coming from the EU-Annex data base, that means, they are directly accessible.

Go to Composition, then click on „New“ and the following search screen will appear. By entering a search term and then selecting the component and clicking „Add“, the component is automatically chosen. You can see that the Phosphoric acid data come from the EU-Annex. Then fill in the concentration and do the same steps for the other components again. The surfactant has been created in the preparation.

Selection

Name Phosphoric acid, Orthophosphoric acid

Source Annex

Product code

Danger symbols C

R phrase(s) 34

S phrase(s) 26-45

CAS no. 7664-38-2

EINECS no. 231-633-2

View Add

> Main menu > Select product > Edit product [Saniclean GHS]

Main properties Characteristics Composition EU expert EU classification GHS expert GHS classification Transport Phys. / Chem. Toxicity Ecology Exposure limit Regulatory Information

Components

Conc.[%]	Name	Action
<input type="text" value="8"/>	Phosphoric acid, Orthophosphoric acid	Delete
<input type="text" value="8"/>	sulphamic acid; sulphamic acid; sultamic acid	Delete Up
<input type="text" value="6"/>	Surfactant (nonionic)	Delete Up
<input type="text"/>		New

Save Reset

> Main menu > Select product > Edit product > View product [sulphamic acid; sulphamic acid; sultamic acid]

Main properties Characteristics Composition EU classification GHS classification Transport Phys. / Chem. Toxicity Exposure limit Regulatory Information Modifications

Acute Toxicity

Sulfamic acid (CAS 5329-14-6)
Oral LD50 Rat 1450 mg/kg

Ecotoxicity

Sulfamic acid (CAS 5329-14-6)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data 96 h LC50 Pimephales promelas: 14.2 mg/L [static]

Before you continue, you can have a look on the material properties of the other substances, and if desired, you can modify them. Click on the product name.

If you have different toxicity values from tests or investigations they can be entered under modifications.

> Main menu > Select product > Edit product > View product [sulphamic acid; sulphamic acid; sulfamic acid]

Main properties Characteristics Composition EU classification GHS classification Transport Phys. / Chem. Toxicity Exposure limit Regulatory Information Modifications

Product name

Synonym

REACH No.

Generic name

Acute Toxicity

LD50/dermal	<input type="text"/>	mg/kg (<input type="text"/>)
LD50/oral	<input type="text"/>	mg/kg (<input type="text"/>)
LC50/inhalation/4h/gas	<input type="text"/>	ppm (<input type="text"/>)
LC50/inhalation/4h/vapour	<input type="text"/>	mg/l (<input type="text"/>)
LC50/inhalation/4h/dust/mist	<input type="text"/>	mg/l (<input type="text"/>)

Ecotoxicity

LC50/96h/fish	<input type="text"/>	mg/l (<input type="text"/>)
EC50/48h/daphnia	<input type="text"/>	mg/l (<input type="text"/>)
EC50/96h/algae	<input type="text"/>	mg/l (<input type="text"/>)
M-Factor	<input type="text"/>	(<input type="text"/>)

Save Reset

> Main menu > Select product > Edit product [Saniclean GHS]

Main properties | Characteristics | Composition | **EU expert** | EU classification | GHS expert | GHS classification | Transport | Phys. / Ch

Form of preparation Solid or liquid preparation
 Gaseous preparation

Main application Industrial Use
 General Public
 Insecticides

pH value [empty] ←

Flash point [empty] ←

Options

- Organic Peroxides
- Explosive Organic Peroxides
- Watersensitive Substance
- Possibility of Dust Formation
- Possibility of Long Exposition
- Aerosol Use

Additional advice

- Paints and varnishes containing lead
- Adhesives based on cyanoacrylate
- Preparations containing isocyanate
- Preparations containing epoxy cons
- Preparations sold to the general pu
- Preparations containing cadmium (a

Now click on „EU Expert“ and after selecting different options click „Classify product“.

The EU classification is being calculated and the result is shown.

> Main menu > Select product > Edit product > **Classify product [Saniclean GHS]**

Classification | Explanation | Risk phrases | Safety phrases

Danger symbols Xi - Irritant. 

Risk phrases R36/38: Irritating to eyes and skin.

Safety phrases S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Components Phosphoric acid, Orthophosphoric acid
Surfactant (nonionic)
sulphamic acid; sulphamic acid; sulfamic acid

Hazardous components Phosphoric acid, Orthophosphoric acid

WGK

Additional advice

Information The water contamination class could not be determined - not all ingredients are classified.

Classification | Explanation | Risk phrases | Safety phrases

Danger symbols (lethal effect) Very toxic 0
Toxic 0
Harmful 0

Danger symbols (determined) Xi

Risk phrases (determined)

36 1.5	0.8	Phosphoric acid; Orthophosphoric acid
0.4		sulphamic acid; sulphamic acid; sulfamic acid
0.3		Surfactant (nonionic)
38 1.2	0.8	Phosphoric acid; Orthophosphoric acid
0.4		sulphamic acid; sulphamic acid; sulfamic acid
52 0.32	0.32	sulphamic acid; sulphamic acid; sulfamic acid
53 0.32	0.32	sulphamic acid; sulphamic acid; sulfamic acid

Explanations

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Also the calculation of the underlying values can be displayed.

Click on „Accept classification“.

Now you have the possibility to choose the ingredients displayed in the safety data sheet and on the label. The ingredient which already has a tick set by the system needs to appear in the MSDS.

> Main menu > Select product > Edit product [Saniclean GHS]

Main properties | Characteristics | Composition | EU expert | **EU classification** | GHS expert | GHS classification | Transport | Phys. / Chem.

Symbol
Xi - Irritant. ↑ ✖ ↓

Risk phrases
R36/38: Irritating to eyes and skin. ↑ ✖ ↓

Safety phrases
S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. ↑ ✖ ↓

Additional advice ↑ ✖ ↓

Hazardous components

Components	Hazardous components	Name
Name (%)	<input checked="" type="checkbox"/>	Phosphoric acid, Orthophosphoric acid(8%)
Name (%)	<input type="checkbox"/>	Nonionic tensides(6%)
Name (%)	<input type="checkbox"/>	sulphamic acid; sulphamic acid; sulfamic acid(8%)

The same is done for the GHS classification. Click „Classify product“.

> Main menu > Select product > Edit product [Saniclean GHS] > Classify product

Main properties | Characteristics | Composition | EU expert | **GHS expert** | GHS classification | Transport | Phys. / Chem. | Toxicity | Ecology | Exposure limit | Regulatory Information

Form of preparation
 Solid or liquid preparation
 Gaseous preparation

Main application
 Industrial Use
 General Public

pH value [empty]

Flammable liquids [Void entry]

Additional advice

- Mixtures containing lead
- Mixtures containing cyanoacrylates
- Mixtures containing isocyanates
- Cements and cement mixtures (> 0,0002 % soluble chromium(VI))
- Mixtures containing epoxy constituents with an average molecular weight ≤ 700
- Mixtures sold to the general public which contain active chlorine
- Mixtures containing cadmium (alloys) and intended to be used for brazing or soldering
- Liquid mixtures containing halogenated hydrocarbons
- Safety data sheet available on request

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: _____

←

+++ Exposure limit of ingredients EU
Phosphoric acid, Orthophosphoric acid

+++ Initial Classification
CSk2
CSk3
CEy2

+++ Contains
Phosphoric acid, Orthophosphoric acid
sulphamidic acid; sulphamic acid; sulfamic acid
Nonionic tensides

+++ Hazard Code elimination
CSk2 eliminated CSk3.

+++ Final Classification
CSk2
CEy2

+++ H phrases
Expansion:
CSk2: H315
CEy2: H319
Result:
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.

+++ P phrases
Expansion:
H315: P264a(4) P280d(1) P302+P352(2) P332+P313(3) P362
H319: P264a(4) P280c(1) P305+P351+P338(2) P337+P313(3)
Elimination:
P280c eliminated P280d.
Result:
P280c : Wear protective gloves/ eye protection/ face protection
P302+P352 : IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 : IF IN EYES: Rinse cautiously with water for
P332+P313 : If skin irritation occurs: Get medical advice/ attention
P337+P313 : If eye irritation persists: Get medical advice/ attention
P264a : Wash skin thoroughly after handling.
P362 : Take off contaminated clothing and wash before reuse

+++ Pictograms
Expansion:
CSk2: X
CEy2: X
Result:
X

+++ Signal Word
Expansion:
CSk2: W
CEy2: W
Result:
W



Now the calculation of the classification is shown with the final result. Now click „ Accept classification“.

The number of p-phrases displayed can be chosen. This can be done manually (switch between calculated and manual). You also see the concentration values displayed.

Main menu > Select product > Edit product [Saniclean GHS] > Classify product

Main properties Characteristics Composition EU expert EU classification GHS expert GHS classification Transport Phys./ Chem. Toxicity Ec

Health hazards
Skin corrosion/irritation, Cat. 2
Serious eye damage/eye irritation, Cat. 2

Environmental hazards

Physical hazards

Additional advice

Hazardous components	Components	Real value	Displayed value	User defined value	Name
	Name (%)	8%	5% - 10%		Phosphoric acid, Orthophosphoric acid
	Name (%)	8%	5% - 10%		sulphamidic acid; sulphamic acid; sulfamic acid
	Name (%)	6%	5% - 10%		Surfactant (nonionic)

Hazard codes
Result:
CSk2
CEy2

H phrases
Expansion:
CSk2: H315
CEy2: H319
Result:
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.

P phrases
calculated 
Expansion:
H315: P264a(4) P280d(1) P302+P352(2) P332+P313(3) P362(5)
H319: P264a(4) P280c(1) P305+P351+P338(2) P337+P313(3)
Elimination:
P280c eliminated P280d.
Result:
P264a : Wash skin thoroughly after handling.
P280c : Wear protective gloves/ eye protection/ face protection.

> Main menu > Select option > Edit options (Assistant)

Main properties | Templates | Label formats | GHS label formats | Language groups | Addresses | Ranges of composition

Scale	From [%]	To [%]	Displayed value
0.0	1.0		Less than {upper limit}***
1.0	5.0		Range {lower limit} - {upper limit}
5.0	10.0		Range {lower limit} - {upper limit}
10.0	20.0		Range {lower limit} - {upper limit}
20.0	25.0		Range {lower limit} - {upper limit}
25.0	30.0		Range {lower limit} - {upper limit}
30.0	35.0		Range {lower limit} - {upper limit}
35.0	50.0		Range {lower limit} - {upper limit}
50.0	75.0		Range {lower limit} - {upper limit}
75.0	90.0		Range {lower limit} - {upper limit}
90.0	95.0		Range {lower limit} - {upper limit}
95.0	98.0		Range {lower limit} - {upper limit}
98.0	100.0		More than {> lower limit}

Save Reset

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Proceed to „Transport“ and click on „select“ and after choosing liquid form click on „wizard“. Choose PG III under Class 8 and click „Accept“.

For the display of the concentration in addition, there is the possibility that it can be displayed depending on quantity ranges, exact values or larger/smaller than values. This can be found in the main menu under „Edit options“ – „standard“ – „ranges of composition“.

> Main menu > Select product > Edit product > Find transport class [Saniclean GHS]

Select transport class

Hazards	Form	Form
Class 1 Explosive substances and articles		Solid
Class 2 Gases		No hazard
Class 3 Flammable liquids		No hazard
Class 4.1 Flammable solids, self-reactive substances and solid desensitized explosives		No hazard
Class 4.2 Substances liable to spontaneous combustion		No hazard
Class 4.3 Substances which, in contact with water, emit flammable gases		No hazard
Class 5.1 Oxidizing substances		No hazard
Class 5.2 Organic peroxides		No hazard
Class 6.1 Toxic substances		No hazard
Class 6.2 Infectious substances		No hazard
Class 7 Radioactive material		No hazard
Class 8 Corrosive substances		PG III
Class 9 Miscellaneous dangerous substances and articles		No hazard

Accept

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Select „Corrosive liquid, acidic, inorganic“. The transport classification is uploaded from the data base,

> Main menu > Select product > Edit product > Find transport class [Saniclean GHS]

Select transport class

Search [Search test]

Search CAS number Search generic name Wizard

Results

- ALKYLPHENOLS, LIQUID, N.O.S. / 3145 / 8 / III / 8
- ALKYLPHENOLS, SOLID, N.O.S. / 2430 / 8 / III / 8
- AMINE, LIQUID, CORROSIVE, N.O.S. / 2735 / 8 / III / 8
- AMINES, SOLID, CORROSIVE, N.O.S. / 3259 / 8 / III / 8
- BISULPHATES, AQUEOUS SOLUTION / 2837 / 8 / III / 8
- BISULPHITES, AQUEOUS SOLUTION, N.O.S. / 2693 / 8 / III / 8
- CAUSTIC ALKALI LIQUID, N.O.S. / 1719 / 8 / III / 8
- CHLOROPHENOLATES, LIQUID / 2904 / 8 / III / 8
- CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. / 3264 / 8 / III / 8**
- CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. / 3265 / 8 / III / 8
- CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. / 3266 / 8 / III / 8
- CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. / 3267 / 8 / III / 8
- CORROSIVE LIQUID, N.O.S. / 1760 / 8 / III / 8
- CORROSIVE LIQUID, TOXIC, N.O.S. / 2922 / 8 / III / 8+6.1
- CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. / 3260 / 8 / III / 8
- CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. / 3261 / 8 / III / 8
- CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. / 3262 / 8 / III / 8
- CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. / 3263 / 8 / III / 8
- CORROSIVE SOLID, N.O.S. / 1759 / 8 / III / 8
- CORROSIVE SOLID, TOXIC, N.O.S. / 2923 / 8 / III / 8+6.1
- DISINFECTANT, LIQUID, CORROSIVE, N.O.S. / 1903 / 8 / III / 8
- DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S. / 2801 / 8 / III / 8
- DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S. / 3147 / 8 / III / 8
- DYE, LIQUID, CORROSIVE, N.O.S. / 2801 / 8 / III / 8
- DYE, SOLID, CORROSIVE, N.O.S. / 3147 / 8 / III / 8
- HYDROGENFLUORIDES SOLUTION, N.O.S. / 3471 / 8 / III / 8+6.1
- HYDROGENFLUORIDES, SOLID, N.O.S. / 1740 / 8 / III / 8
- PAINT / 3066 / 8 / III / 8
- PAINT RELATED MATERIAL / 3066 / 8 / III / 8
- PHENOLATES, LIQUID / 2904 / 8 / III / 8

Accept

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In addition, the physical state of the product needs to be given for transport (tremcard) and which ingredients need to be mentioned in the Proper Shipping Name.

Select the required products and click „save“ - Phosphoric acid and Sulfamic acid are then listed as hazardous components after N.O.S..

The screenshot shows the 'Edit product' interface for 'Saniclean GHS'. The 'Transport class' is set to 'Select' and 'Delete'. The 'Physical state for transport' is 'Colourless or coloured liquid.'. The 'PSN Addon' is '[empty]'. The 'Hazardous components' section has a table with columns 'Component' and 'Name'. The 'Component' column has three dropdown menus: 'Name', 'Name', and 'Hidden'. The first 'Name' dropdown is circled in red. The 'Name' column contains the following text: 'Phosphoric acid, Orthophosphoric acid(8%)', 'sulphamic acid; sulphamic acid; sulfamic acid(8%)', and 'Surfactant (nonionic)(6%)'. A 'Save' button is at the bottom left. On the right, a 'Land transport ADR' panel shows details for 'CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid, Orthophosphoric acid, sulphamic acid; sulphamic acid; sulfamic acid)' with UN number 3264, Class 8, Packing group III, Labels 8, Classification code C1, Risk No. 80, Limited quantities 5 L, and Tunnel code E. A hazard pictogram is also visible.

Now go to the Phys/Chem part:
Start selecting the physical chemical properties of the product:

Form: Aqueous solution

For the pH-value you can enter directly 2.5.

For the Water solubility click „choose“ and you can express it as text.
You can select an appropriate text
The other points of 9.1 should be completed if possible.

The screenshot shows the 'Phys. / Chem.' part of the 'Edit product' interface. The title is '9.1. Information on basic physical and chemical properties'. The 'Form' field contains 'Aqueous solution.'. The 'Colour' field is empty. The 'Odour' field is empty. The 'pH value' field contains '2.5'. The 'Flash point' field is empty. The 'Water solubility' field contains 'miscible' and has an 'Edit' button next to it, which is pointed to by a blue arrow. The 'Melting point/freezing point', 'Initial boiling point and boiling range', 'Evaporation rate', 'Flammability (solid, gas)', and 'Upper/lower flammability or explosive limits' fields are all empty. Each field has a 'Choose' button next to it. There are also 'Add phrases' buttons for the 'Form', 'Colour', and 'Odour' fields. On the right side of each field, there are navigation icons: up/down arrows, a red 'X', and a document icon.

9.2. Other information

Suitable solvents

Add phrases ←

↑
✖
↓

General properties

Add phrases ←

↑
✖
↓

Save Reset

If you need more entries click on „Add phrases“ under Suitable solvents or General properties.

If you are doing only the data collection of your product and do not want to create a safety data sheet yet, you can enter and edit the toxicity and ecology data already under product. Otherwise you can enter the data while working on SDS creation under chapter 11 and 12.

For workplace exposure limits, you can now select the country where the product is sold and then you automatically get the country specific exposure limits.

> Main menu > Select product > Edit product [Saniclean GHS]

Main properties Characteristics Composition EU expert EU classification GHS expert GHS classification Transport Phys. / Chem. Toxicity Ecology Exposure limit Regulatory Information

LOLI Country **Germany/Austria/Switzerland** ←

Phosphoric acid (CAS 7664-38-2)

Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	<input checked="" type="checkbox"/>	1 mg/m3 TWA [MAK]
Switzerland - Occupational Exposure Limits - STELs - (KZW)	<input checked="" type="checkbox"/>	2 mg/m3 STEL [KZW]
EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - TWAs	<input checked="" type="checkbox"/>	1 mg/m3 TWA
EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - STELs	<input checked="" type="checkbox"/>	2 mg/m3 STEL
Austria - Occupational Exposure Limits - STELs - (MAK-KZWs)	<input checked="" type="checkbox"/>	2 mg/m3 STEL [KZW] (4 X 15 min)
Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	<input checked="" type="checkbox"/>	1 mg/m3 TWA [TMW]
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	<input checked="" type="checkbox"/>	2 mg/m3 TWA MAK (inhalable fraction)
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	<input checked="" type="checkbox"/>	4 mg/m3 Peak (inhalable fraction)
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	<input checked="" type="checkbox"/>	2 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when MAK and BAT values are observed, inhalable fraction, exposure factor 2)

> Main menu > Select product > Edit product [Saniclean GHS]

Main properties Characteristics Composition EU expert EU classification GHS expert GHS classification Transport Phys. / Chem. Toxicity Ecology Exposure limit Regulatory Information

LOLI Country Germany/Austria/Switzerland



Sulfamic acid (CAS 5329-14-6)

EU - Biocides (1451/2007) - Existing Active Substances	<input checked="" type="checkbox"/> Present
EU - REACH (1907/2006) - List of Registered Substances	<input checked="" type="checkbox"/> Present
Germany - Water Classification (VwVWS) - Annex 2 - Water Hazard Classes	<input checked="" type="checkbox"/> ID Number 1266, hazard class 1 - low hazard to waters

Phosphoric acid (CAS 7664-38-2)

EU - Food Additives (1333/2008/EC) - Annex IV of 95/2/EC - Other Permitted Food Additives	<input checked="" type="checkbox"/> E 338
EU - Biocides (1451/2007) - Existing Active Substances	<input checked="" type="checkbox"/> Present
EU - REACH (1907/2006) - List of Registered Substances	<input checked="" type="checkbox"/> Present
Germany - Water Classification (VwVWS) - Annex 2 - Water Hazard Classes	<input checked="" type="checkbox"/> ID Number 392, hazard class 1 - low hazard to waters

If you go to Regulatory Information you can select or deselect the information which will appear in chapter 15 of the Safety data sheet.

2. Structure of the Safety data sheet with the 16 sections

Select in Main menu „edit SDS“ and choose Saniclean from the list and click „edit GHS“ . .

> Main menu > Select SDS [Saniclean GHS]

Search (all)

Search text: saniclean

Result: Saniclean combi
Saniclean GHS

Selection

Name	Saniclean GHS		
Product code			
Danger symbols	Xi		Pictograms X 
R phrase(s)	36/38	Signal word	Warning
S phrase(s)	24-26	H phrases	H314
CAS no.			
EINECS no.			
<input type="button" value="Edit"/> <input type="button" value="Edit GHS"/>			

Section 1:

This part of the safety data sheet is already filled in:

1. Identification of the substance/mixture and of the company/undertaking

Product name

1.1. Product identifier

EG Index number	<input type="text"/>
CAS number	<input type="text"/>
EINECS number	<input type="text"/>
ELINCS number	<input type="text"/>
REACH No.	<input type="text"/>
Product code	<input type="text"/>
Synonym	<input type="text"/>

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

Use of the product: Lubricants    

Uses advised against:    

1.3. Details of the supplier of the safety data sheet

> Main menu > Select SDS > Edit SDS [Saniclean GHS]

Safety data sheet

1. Identification of the substance/mixture and of the company/undertaking
 2. Hazards identification
 3. Composition/information on ingredients
 4. First aid measures
 5. Firefighting measures
 6. Accidental release measures
 7. Handling and storage
 8. Exposure controls/personal protection
 9. Physical and chemical properties
 10. Stability and reactivity
 11. Toxicological information
 12. Ecological information
 13. Disposal considerations
 14. Transport information
 15. Regulatory information
 16. Other information
 Exposure scenarios

 Wizard
 Reset SDS

 Preview
 Translation
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 Ingredient datasheet

2. Hazards identification

2.1. Classification of the substance or mixture

Skin corrosion/irritation, Cat. 2
 Serious eye damage/eye irritation, Cat. 2

The product is classified and labelled according to Regulation (EC) No. 1272/2008 (GHS/CLP).

Add phrases

2.2. Label elements

Pictograms X

Signal word Warning

H phrases H315: Causes skin irritation.
H319: Causes serious eye irritation.

P phrases P280: Wear protective gloves/ eye protection/ face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and 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.
P264a: Wash skin thoroughly after handling.
P362: Take off contaminated clothing and wash before reuse.

Additional advice

Hazardous components GHS Phosphoric acid, Orthophosphoric acid, CAS-No. 7664-38-2
Nonionic tensides
sulphamic acid; sulphamic acid; sulfamic acid, CAS-No. 5329-14-6

EU classification

Symbol(s) Xi - Irritant.
R phrase(s) R36/38: Irritating to eyes and skin.
S phrase(s) S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Additional advice

Hazardous components Phosphoric acid, Orthophosphoric acid, CAS-No. 7664-38-2, EC-No. 231-633-2

2.3. Other hazards

Specific hazards

May cause irritation of respiratory tract.

Add phrases

Save Reset

Section 2:

Here the designated field can be filled by hand. If hazards are known which are not sufficient for a classification they can be listed among other hazards.

Section 3:

In chapter 3 you can now see the concentration values entered.

3. Composition/information on ingredients

Chemical characterisation Aqueous surfactant solution.

Add phrases

Components Phosphoric acid, Orthophosphoric acid (5% - 10%), CSk1B, [CSk1B: C ≥ 25 % ; CSk2: 10 % ≤ C < 25 % ; CEy2: 10 % ≤ C < 25 %], [C; R-34], CAS-No. 7664-38-2
Nonionic tensides (5% - 10%), CEy2, [Xi; R-36]
sulphamic acid; sulphamic acid; sulfamic acid (5% - 10%), CEy2, CSk2, NChr3, [Xi; R-36/38-52/53], CAS-No. 5329-14-6

Hazardous Impurities

Add phrases

Save Reset

4. First aid measures

4.1. Description of first aid measures

Inhalation
 In the case of inhalation of aerosol/mist consult a physician if necessary.
 Consult a physician after significant exposure.

Skin contact
 Wash off immediately with soap and plenty of water.
 Remove contaminated clothes and shoes.
 If skin irritation persists, call a physician.

Eye contact
 Rinse immediately with plenty of water, also under the eyelids.
 Consult an ophthalmologist.

Ingestion
 Rinse mouth.
 Consult a physician for severe cases.

4.2. Most important symptoms and effects, both acute and delayed
 Irritant effect: on eyes, on skin, on air passages.
 If you feel unwell, seek medical advice (show the label when necessary).

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

Section 4:

Choose the following phrases in chapter 4.

For multiple selections hold the <Ctrl> key and select with the left mouse button the phrases you want on or off. Click on „Add selected phrases“.

> Main menu > Select SDS > Edit SDS > Select phrases

Select phrases (04 - Skin Contact)

Filter Search all categories

Phrases

- No special measures required.
- Wash hands with water as a precaution.
- Wash with water and soap as a precaution.
- Wash hands with water as a precaution.
- Wash off with soap and water.
- Rinse with water.**
- Wash off immediately with plenty of water for at least 15 minutes.
- Wash off immediately with plenty of water.
- Wash off with plenty of water.
- Wash off immediately with soap and plenty of water.
- Wash off with soap and plenty of water.
- First treatment with calcium gluconate paste.
- Wash off with warm water.
- Wash off with warm water and soap.
- Wash off with 3% acetic acid and plenty of water.
- Wash off with polyethylene glycol and afterwards with plenty of water.
- Remove immediately adhering matter.
- Before washing use a dry brush to remove dust from skin.
- Wash off immediately with a \$(VALUE) % solution of propylene glycol in water for at least 15 minutes.
- Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
- Remove contaminated clothes and shoes.
- Wash off with suitable disinfectants.
- Immediate medical treatment necessary as untreated skin corosions are slow and bad healing wounds.
- Call a physician immediately.**
- Watch victim for at least \$(VALUE) hours because of possible delayed signs of poisoning.
- If signs of poisoning appear, treat as for inhalation.
- Skin or eye contact with uncured photopolymer, vapours or condensate may result in skin or eye irritation, rash or allergic skin rashes.
- Wash frostbitten areas with plenty of water. Do not remove clothing.
- Cool melted product on skin with plenty of water. Do not remove solidified product.
- Do not peel polymer from the skin.
- Cool skin rapidly with cold water after contact with hot polymer.
- Cool skin rapidly with cold water after contact with molten polymer.
- Cool skin rapidly with cold water after contact with molten material.
- Cover wound with sterile dressing.
- If skin irritation persists, call a physician.
- Consult a physician for severe cases.
- In case of burns apply cold water until pain subsides then seek medical advice.
- Medical examination necessary even only on suspicion of intoxication.

Add selected phrases **New phrase**

Select phrases (04 - Eye contact)

Filter

irritant



Search all categories

Phrases

The vapour has irritant effect: on eyes, on air passages.
May have irritant effect: on eyes, on air passages.
May have irritant effect: on eyes, on skin, on air passages.
Irritant effect: on air passages.
Irritant effect: on eyes, on skin, on air passages.
Irritant effect: on skin, on air passages.
Burning produces irritant fumes.
Toxic or irritant substances can easily be taken into the body, if they are dissolved in DMSO.
Vapours of \$(VALUE) are highly irritant to the eyes and upper respiratory system.
Xi - Irritant.
Mild skin irritant
moderate primary irritant
Mild eye irritant
irritant effects
moderate primary irritant
Severe respiratory irritant.
Moderate respiratory irritant.
Mild respiratory irritant.
Not a respiratory irritant.
Vapours are highly irritant to the eyes and upper respiratory system

If the desired phrase is not available under the existing ones you can either choose the option „search all categories“ or you can create a „new phrase“. By clicking create the following screen will appear:

Basic properties

Text (de)

Create

Edit phrase

Languages

Belarusian

Bulgarian

Czech

Danish

German

Greek

English

Spanish

new phrase

Sections 5-7:

Edit the chapters 5-7 also as shown:

6. Accidental release measures		5. Firefighting measures	
6.1. Personal precautions, protective equipment and emergency procedures		5.1. Extinguishing media	
Advice for non-emergency personnel	Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust. <input type="button" value="Add phrases"/>	Suitable extinguishing media	Use dry chemical, CO2, water spray or alcohol foam. <input type="button" value="Add phrases"/>
Advice for emergency responders	Sweep up to prevent slipping hazard. Ensure adequate ventilation. <input type="button" value="Add phrases"/>	Extinguishing media which must not be used for safety reasons	High volume water jet. <input type="button" value="Add phrases"/>
6.2. Environmental precautions	Do not flush into surface water or sanitary sewer system. <input type="button" value="Add phrases"/>	5.2. Special hazards arising from the substance or mixture	
6.3. Methods and material for containment and cleaning up	Soak up with inert absorbent material (e.g. sand, silica sawdust). Keep in suitable and closed containers for disposal. <input type="button" value="Add phrases"/>		The product itself does not burn. Closed containers may explode due to pressure build-up when subjected to excessive heat or intense fire. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. <input type="button" value="Add phrases"/>
6.4. Reference to other sections	See chapter 8 and 13. <input type="button" value="Add phrases"/>	5.3. Advice for firefighters	
<input type="button" value="Save"/> <input type="button" value="Reset"/>		Special protective equipment for firefighters	Standard procedure for chemical fires. <input type="button" value="Add phrases"/>
		Specific methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. <input type="button" value="Add phrases"/>
		<input type="button" value="Save"/> <input type="button" value="Reset"/>	

7. Handling and storage

7.1. Precautions for safe handling

Heat only in areas with appropriate exhaust ventilation.
Wear personal protective equipment.

Add phrases

7.2. Conditions for safe storage, including any incompatibilities

Store at room temperature in the original container.
Do not store together with food.

Add phrases

7.3. Specific end use (s)

Add phrases

Save Reset

Section 8:

In chapter 8 the point 8.1 is already filled in by the choice of the country and in 8.2 you add the required phrases by hand.

8. Exposure controls/personal protection

LOLI Country **Germany/Austria/Switzerland** ←

Exposure limit(s)

Add phrases

Phosphoric acid (CAS 7664-38-2)

Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	<input checked="" type="checkbox"/> 1 mg/m3 TWA [MAK]
Switzerland - Occupational Exposure Limits - STELs - (KZWs)	<input checked="" type="checkbox"/> 2 mg/m3 STEL [KZW]
EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - TWAs	<input checked="" type="checkbox"/> 1 mg/m3 TWA
EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - STELs	<input checked="" type="checkbox"/> 2 mg/m3 STEL
Austria - Occupational Exposure Limits - STELs - (MAK-KZWs)	<input checked="" type="checkbox"/> 2 mg/m3 STEL [KZW] (4 X 15 min)
Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	<input checked="" type="checkbox"/> 1 mg/m3 TWA [TMW]
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	<input checked="" type="checkbox"/> 2 mg/m3 TWA MAK (inhalable fraction)
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	<input checked="" type="checkbox"/> 4 mg/m3 Peak (inhalable fraction)
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	<input checked="" type="checkbox"/> 2 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when MAK and BAT values are observed, inhalable fraction, exposure factor 2)

8.2. Exposure controls

Occupational exposure controls
 Handle in accordance with good industrial hygiene and safety practice.
 

Respiratory protection
 In case of insufficient ventilation, wear suitable respiratory equipment.
 Respirator with combination filter for vapour/particulate.

Hand protection
 The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.
 Solvent-resistant gloves (butylrubber).
 Break through time: > min .

Eye protection
 Safety glasses with side-shields conforming to EN 166.

Skin and Body protection
 Long sleeved clothing.

Thermal hazards

Environmental exposure controls
 Prevent product from entering surface water or sewage.

In the standard operating procedure the required protection sign are clickable and will determine whether the operating instructions should be displayed or not.

Prohibition signs

Mandatory signs

Hide leaflet

9. Physical and chemical properties	
9.1. Information on basic physical and chemical properties	
Form	Aqueous solution.    
	<input type="button" value="Add phrases"/>
Colour	   
	<input type="button" value="Add phrases"/>
Odour	   
	<input type="button" value="Add phrases"/>
Odour threshold	<input type="text"/> <input type="button" value="Choc"/>
pH value	2.5 <input type="button" value="Choc"/>
Melting point/freezing point	<input type="text"/> <input type="button" value="Choc"/>
Initial boiling point and boiling range	<input type="text"/> <input type="button" value="Choc"/>
Flash point	<input type="text"/> <input type="button" value="Choc"/>
Evaporation rate	<input type="text"/> <input type="button" value="Choc"/>
Flammability (solid, gas)	<input type="text"/> <input type="button" value="Choc"/>
Upper/lower flammability or explosive limits	<input type="text"/> <input type="button" value="Choc"/>
Vapour pressure	<input type="text"/> <input type="button" value="Choc"/>
Vapour density	<input type="text"/> <input type="button" value="Choc"/>
Relative density	<input type="text"/> <input type="button" value="Choc"/>
Water solubility	completely miscible <input type="button" value="Edit"/>
Partition coefficient: n-octanol/water	<input type="text"/> <input type="button" value="Choc"/>
Auto-ignition temperature	<input type="text"/> <input type="button" value="Choc"/>
Decomposition temperature	<input type="text"/> <input type="button" value="Choc"/>

Section 9:

Chapter 9 is automatically filled with the information which you have already entered in the edit product part.

10. Stability and reactivity	
10.1. Reactivity	No hazards to be specially mentioned.    
	<input type="button" value="Add phrases"/>
10.2. Chemical stability	Stable under recommended storage conditions.    
	<input type="button" value="Add phrases"/>
10.3. Possibility of hazardous reactions	Heating can release hazardous gases.    
	<input type="button" value="Add phrases"/>
10.4. Conditions to avoid	<input type="text"/>    
	<input type="button" value="Add phrases"/>
10.5. Incompatible materials	Incompatible with strong bases and oxidizing agents.    
	<input type="button" value="Add phrases"/>
10.6. Hazardous decomposition products	Oxides of phosphorus. Sulphur oxides.    
	<input type="button" value="Add phrases"/>
<input type="button" value="Save"/> <input type="button" value="Reset"/>	

Section 10:

In section 10 select the phrases shown:

Section 11:

The toxicity data stored for the substances appear automatically below 11. The other required and optional information are needs to be filled in by hand.

Further information		11. Toxicological information	
Information on likely routes of exposure		11.1. Information on toxicological effects	
dermal		Acute Toxicity	No data is available on the product itself. Add phrases Phosphoric acid (CAS 7664-38-2) Dermal LD50 Rabbit 2730 mg/kg Inhalation LC50 Rat 850 mg/m3 1 h Oral LD50 Rat 1530 mg/kg Sulfamic acid (CAS 5329-14-6) Oral LD50 Rat 1450 mg/kg
Add phrases		Skin corrosion/irritation	Moderate skin irritation. May cause irritation of the mucous membranes. CAS 7664-38-2: [Zen] CAS 5329-14-6: [Arm] Add phrases
Symptoms related to the physical, chemical and toxicological characteristics	Irritating to eyes and skin. May cause irritation of the mucous membranes.	Serious eye damage/eye irritation	Moderate eye irritation. CAS 7664-38-2: [Zen] CAS 5329-14-6: [Arm] Add phrases
Add phrases		Respiratory/Skin Sensitisation	
Delayed and immediate effects and also chronic effects from short and long term exposure		Add phrases	
Add phrases		Carcinogenicity	
Interactive effects		Add phrases	
Add phrases		Germ cell mutagenicity	
Absence of specific data		Add phrases	
Add phrases		Mixture versus substance information	
Mixture versus substance information		Add phrases	
Add phrases		Other information	
Other information		Add phrases	
Add phrases			

Save Reset

Section 12:

Also here toxicity data stored are automatically taken over. Here the data appearing can still be selected or deselected. The other required information needs to be inserted by hand.

12. Ecological information	
12.1. Toxicity	<p>No data is available on the product itself.</p> <p><input type="button" value="Add phrases"/></p> <p>Phosphoric acid (CAS 7664-38-2)</p> <p>Ecotoxicity - Freshwater Fish - Acute Toxicity Data <input checked="" type="checkbox"/> 96 h LC50 Gambusia affinis: 3 - 3.5 mg/L</p> <p>Ecotoxicity - Water Flea - Acute Toxicity Data <input checked="" type="checkbox"/> 48 h EC50 Daphnia magna: 4.6 mg/L</p> <p>Sulfamic acid (CAS 5329-14-6)</p> <p>Ecotoxicity - Freshwater Fish - Acute Toxicity Data <input checked="" type="checkbox"/> 96 h LC50 Pimephales promelas: 14.2 mg/L [static]</p>
12.2. Persistence and degradability	<p>Expected to be biodegradable.</p> <p>The surfactant components are more than 90% biodegradable.</p> <p><input type="button" value="Add phrases"/></p>
12.3. Bioaccumulative potential	<p>Bioaccumulation is unlikely.</p> <p><input type="button" value="Add phrases"/></p>
12.4. Mobility in soil	<p><input type="button" value="Add phrases"/></p>

Section 13:

Insert required phrases by hand.

13. Disposal considerations	
13.1. Waste treatment methods	
Waste from residues / unused products	<p>Dispose of in accordance with local regulations.</p> <p>Dispose of in accordance with the European Directives on waste and hazardous waste.</p> <p><input type="button" value="Add phrases"/></p>
Contaminated packaging	<p>Dispose of as unused product.</p> <p><input type="button" value="Add phrases"/></p>

14. Transport information

Further information  

Land transport ADR

Proper Shipping Name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid, Orthophosphoric acid, sulphamidic acid; sulphamic acid; sulfamic acid)

UN number 3264

Class 8

Packing group III

Labels 8

Classification code C1

Risk No. 80

Limited quantities 5 L

Tunnel code E

Sea transport IMDG

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Orthophosphoric acid, sulphamidic acid; sulphamic acid; sulfamic acid)

UN number 3264

Class 8

Packing group III

Labels 8

Limited quantities 5 L

EMS number F-A, S-B

Marine Pollutant no

Air transport ICAO

Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Orthophosphoric acid, sulphamidic acid; sulphamic acid; sulfamic acid)

UN number 3264

Class 8

Packing group III

Pack.instr. (Pass. 852 (5 L) aircr.)

Pack.instr. (LQ) Y841 (1 L)

Pack.instr. (Cargo 856 (50 L) aircr.)

Inland navigation ADN

Proper Shipping Name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid, Orthophosphoric acid, sulphamidic acid; sulphamic acid; sulfamic acid)

UN number 3264

Class 8

Packing group III

ADN Gefahr 8+(N1, N2, N3, CMR, F oder S)

Special precautions for user

Protect from contamination.  

Section 15:

Check again if the selected country is the desired one. For other additions such as „Regulatory information“ or „Chemical safety assessment“ the corresponding phrases need to be selected by hand. Note that the line „Leaflet BG Chemie (Germany)“ will also be filled in automatically.

Section 14:

For the different types of transport the information from „Edit product“ part is taken over. Individually needed additional information can be added under „Further information“ or „Special precaution for users“.

15. Regulatory information

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

LOLI Country  

Regulatory Information

The product is classified and labelled according to Regulation (EC) No. 1272/2008 (GHS/CLP). 

Phosphoric acid (CAS 7664-38-2)

EU - Food Additives (1333/2008/EC) - Annex IV of 95/2/EC - Other Permitted Food Additives E 338

EU - Biocides (1451/2007) - Existing Active Substances Present

EU - REACH (1907/2006) - List of Registered Substances Present

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes ID Number 392, hazard class 1 - low hazard to waters

Sulfamic acid (CAS 5329-14-6)

EU - Biocides (1451/2007) - Existing Active Substances Present

EU - REACH (1907/2006) - List of Registered Substances Present

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes ID Number 1266, hazard class 1 - low hazard to waters

Water contamination class (DE)

Leaflet "BG Chemie (Germany)" M004 Reizende Stoffe/Ätzende Stoffe

VOC (CH) M050 Umgang mit Gefahrstoffen (für die Beschäftigten)

Biocidal product 

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications. 

16. Other information	
Revision Note	<input type="text"/> <input type="button" value="Add phrases"/>
Abbreviations and acronyms:	<input type="text"/> <input type="button" value="Add phrases"/>
Key literature references and sources for data	Information taken from reference works and the literature. Sources of key data used to compile the Safety Data Sheet: <input type="text" value="HSCB"/>
Classification procedure	<input type="text" value="Calculation method."/> <input type="button" value="Add phrases"/>
GHS-categories in section 3	CSk1B: Skin corrosion/irritation, Cat. 1B CSk2: Skin corrosion/irritation, Cat. 2 CEy2: Serious eye damage/eye irritation, Cat. 2 NChr3: Hazardous to the aquatic environment, chronic, Cat. 3
Text of R phrases mentioned in Section 3	R34: Causes burns. R36: Irritating to eyes. R36/38: Irritating to eyes and skin. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Training advice	<input type="text"/> <input type="button" value="Add phrases"/>
Further Information	<input type="text"/> <input type="button" value="Add phrases"/>
Instructions for Use	<input type="text" value="For industrial application only."/> <input type="button" value="Add phrases"/>
Disclaimer	<input type="text" value="The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. This safety datasheet only contains information relating to safety and does not replace any product information or product specification. It is not to be considered a warranty or quality specification."/> <input type="button" value="Add phrases"/>

Save Reset

Section 16:

Required information can be included under each heading. The classification abbreviation's explanation appears automatically.

Save your work now.

You have created a complete Safety data sheet and you can have a look on the preview. This is possible in all languages which are accessible (for you).

> Main menu > Select SDS > Edit SDS [Saniclean GHS]

Safety data sheet

- 1. Identification of the substance/mixture and of the company/undertaking
- 2. Hazards identification
- 3. Composition/information on ingredients
- 4. First aid measures
- 5. Firefighting measures
- 6. Accidental release measures
- 7. Handling and storage
- 8. Exposure controls/personal protection
- 9. Physical and chemical properties
- 10. Stability and reactivity
- 11. Toxicological information
- 12. Ecological information
- 13. Disposal considerations
- 14. Transport information
- 15. Regulatory information
- 16. Other information
- Exposure scenarios
-
- Wizard
- Reset SDS
-
- Preview 
- Translation
- Make available
-
- Ingredient datasheet

Preview

Language English 

Country Switzerland 

Identification of the Company/Undertaking I+K AG 

S A F E T Y D A T A S H E E T

according to Regulation (EU) No. 1272/2008

Saniclean GHS

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Index-No	
CAS-No.	

3. Translation and download of MSDS

> Main menu > Select SDS > Edit SDS [Saniclean GHS]

Safety data sheet

1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification
3. Composition/information on ingredients
4. First aid measures
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14. Transport information
15. Regulatory information
16. Other information
Exposure scenarios

Wizard
Reset SDS

Preview
Translation
Make available

Ingredient datasheet

Translate safety data sheet

Unavailable phrases

<input type="checkbox"/> Belarusian	<input checked="" type="checkbox"/> English	<input type="checkbox"/> Croatian	<input type="checkbox"/> Lithuanian	<input checked="" type="checkbox"/> Portuguese	<input type="checkbox"/> Thai
<input type="checkbox"/> Bulgarian	<input type="checkbox"/> Spanish	<input type="checkbox"/> Hungarian	<input type="checkbox"/> Latvian	<input type="checkbox"/> Romanian	<input type="checkbox"/> Turkish
<input type="checkbox"/> Czech	<input type="checkbox"/> Estonian	<input type="checkbox"/> Indonesian	<input type="checkbox"/> Malay	<input type="checkbox"/> Russian	<input type="checkbox"/> Taiwanese
<input type="checkbox"/> Danish	<input type="checkbox"/> Finnish	<input checked="" type="checkbox"/> Italian	<input type="checkbox"/> Dutch; Flemish	<input type="checkbox"/> Slovak	<input type="checkbox"/> Ukrainian
<input checked="" type="checkbox"/> German	<input checked="" type="checkbox"/> French	<input type="checkbox"/> Japanese	<input type="checkbox"/> Norwegian	<input type="checkbox"/> Slovenian	<input checked="" type="checkbox"/> Vietnamese
<input type="checkbox"/> Greek	<input type="checkbox"/> Hindi	<input type="checkbox"/> Korean	<input checked="" type="checkbox"/> Polish	<input type="checkbox"/> Swedish	<input type="checkbox"/> Chinese

Phrases Prevent product from entering surface water or sewage.

Texts Saniclean GHS

Edit phrase **Edit text**

Wizard
Reset SDS

Preview
Translation
Make available

Ingredient datasheet

Here you can select a single or multiple language(s) and if an individually created phrase is not yet available in the language(s) it will appear. (Select the phrase and click „Edit phrase“, then fill in the missing translation.) The only wording not translated remains the product name. The Safety data sheet is completed in the raw format and you can start with the translation.

> Main menu > Select SDS > Edit SDS [Saniclean GHS]

Safety data sheet

1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification
3. Composition/information on ingredients
4. First aid measures
5. Firefighting measures
6. Accidental release measures
7. Handling and storage
8. Exposure controls/personal protection
9. Physical and chemical properties
10. Stability and reactivity
11. Toxicological information
12. Ecological information
13. Disposal considerations
14. Transport information
15. Regulatory information
16. Other information
Exposure scenarios

Wizard
Reset SDS

Preview
Translation
Make available

Ingredient datasheet

New safety data sheet

Language English

Country Switzerland

Option SAFIN Brand

Identification of the Company/Undertaking I+K AG

Available Safety Data Sheets

Product name

Version 1 (Previous version)

Date 04.01.2012

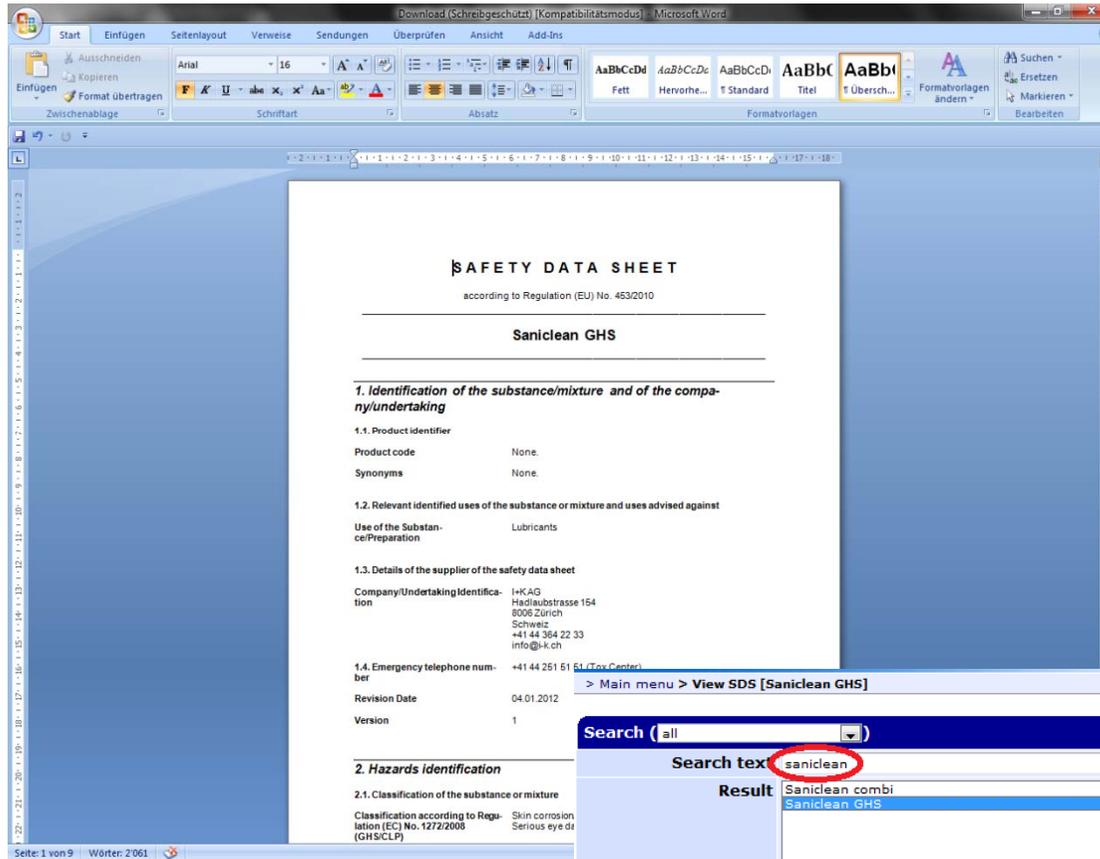
File

SDS format GHS

Create

Now click the „Make available“ under the „Edit SDS“.

Choose the desired language, the country and the supplier, as well as a number of version, and click on „Create“. (Date will be filled in automatically). The MSDS is created in the background which will take approx. 20 seconds. Please be patient and do not click a second time.



As soon as the MSDS has been created, you can click on the name and the word document can be opened or saved. A MSDS will look like this:

You have different possibilities to have a look at the Safety data sheets:

Go to Main menu „view SDS“:

Enter the search term and click „Enter“. Here the program shows all SDS created for the product. The download is initiated by a click on the name.

> Main menu > View SDS [Saniclean GHS]

Search (all)

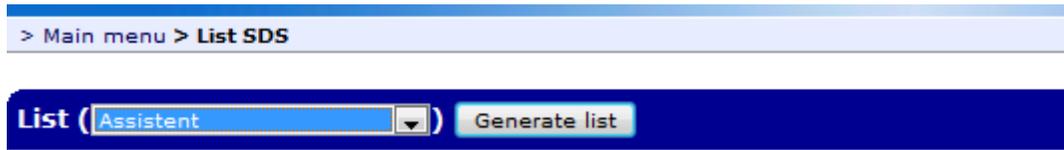
Search text: saniclean

Result: Saniclean combi
Saniclean GHS

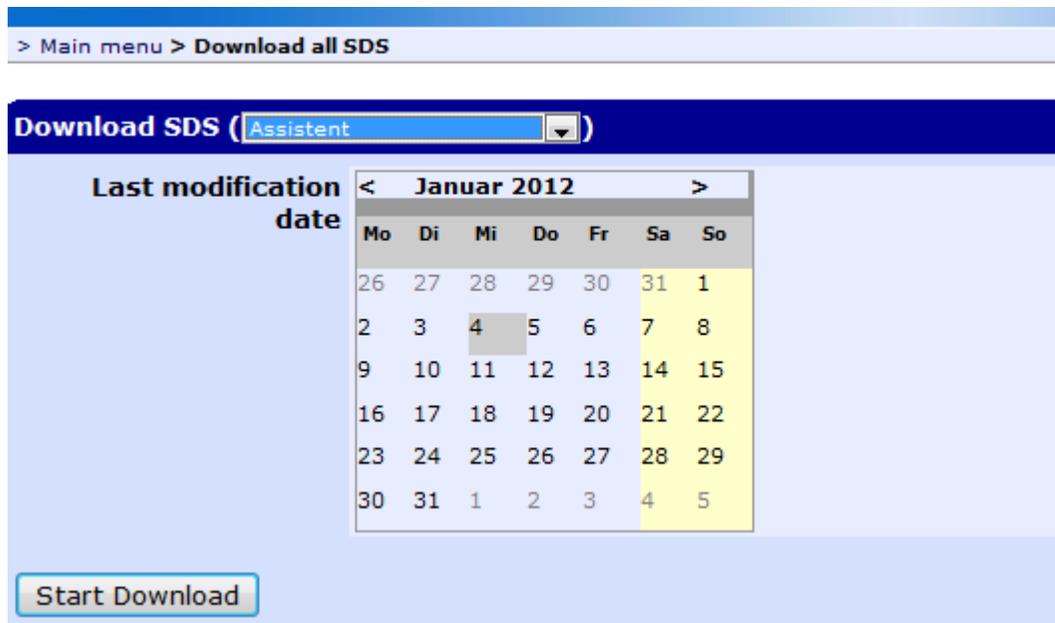
Selection

Product code	Name	Country	Language	Option	Version	Date
Available Safety Data Sheets	Saniclean GHS	Germany/Austria/Switzerland	German	LOLI Test	1	25.07.2011

Main menu „list SDS“:



Shows all SDS available for your company.
The download is initiated by a click on the name.



As an alternative to single-safety data sheets SAFIN.NET offers the possibility to save all documents as a zip file. Therefore just click the main menu „Download all SDS“ and then the window shown will appear. You can now download all SDS until a given date and save them on your computer.

SAFIN.NET offers the following extended SDS-options:

- a) Upload of revised SDS (via „File“-„browse“-„create“.
- b) Specifying a name different from the product name in the SDS.
- c) Activate/deactivate different SDS versions – deactivated versions are not visible for users with jus the reader account.
- d) Removal of a version = delete.

» > Edit SDS [Saniclean GHS]

New safety data sheet

Language	English					
Country	Switzerland					
Option	SAFIN Brand					
Identification of the Company/Undertaking	I+K AG					
Available Safety Data Sheets	Active	Name	Country	Language	Version	Date
	yes c)	Saniclean GHS	Switzerland	English	1	04.01.2012 d) Remove
Product name	<input type="text"/> b)					
Version	<input type="text"/> (Previous version <input type="text"/>)					
Date	04.01.2012					
File	<input type="text"/> <input type="button" value="Durchsuchen..."/> a)					
SDS format	GHS					
<input type="button" value="Create"/>						

SDS Wizard option:

Safety data sheet
1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification
3. Composition/information on ingredients
4. First aid measures
5. Firefighting measures
6. Accidental release measures
7. Handling and storage
8. Exposure controls/personal protection
9. Physical and chemical properties
10. Stability and reactivity
11. Toxicological information
12. Ecological information
13. Disposal considerations
14. Transport information
15. Regulatory information
16. Other information
Exposure scenarios

Wizard
Reset SDS

Preview
Translation
Make available

Inqredient datasheet

If you have the SDS Wizard option it helps you fill out the SDS chapters.

Go to Wizard in the „Edit SDS“ and by clicking, the following screen will appear. It contains proposed phrases for the chapters.

By clicking the „Accept“, the phrases will be filled into the chapters. Then you can check through the chapters as known.

The screenshot shows the 'Wizard' interface for editing an SDS. The left sidebar contains a list of SDS chapters, with '4. First aid measures' highlighted. The main content area displays the text for this chapter, including sections for 'Inhalation', 'Skin contact', 'Eye contact', 'Ingestion', '5. Fire-fighting measures', and 'Specific methods'. The text is presented as a list of suggested phrases to be used in the final SDS.

Wizard

Modifications

4. First aid measures

Inhalation
Consult a physician for severe cases.
Move to fresh air in case of accidental inhalation of vapours or decomposition products.

Skin contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
If skin irritation persists, call a physician.

Eye contact
Protect unharmed eye.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Consult an ophthalmologist.

Ingestion
Prevent vomiting if possible.
Clean mouth with water and drink afterwards plenty of water.
Consult a physician for severe cases.

5. Fire-fighting measures

Suitable extinguishing media
Use dry chemical, CO₂, water spray or alcohol foam.

Extinguishing media which must not be used for safety reasons
High volume water jet.

5.2. Special hazards arising from the substance or mixture
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

Special protective equipment for firefighters
Complete suit protecting against chemicals.
Standard procedure for chemical fires.
In the event of fire, wear self contained breathing apparatus.

Specific methods
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

4. Creation of a label

> Main menu > Select product > Edit product [Saniclean GHS]

Main properties | Characteristics | Composition | EU e

Product name	<input type="button" value="Edit"/>
Option	<input type="checkbox"/> Available for all options
Source	I+K AG
Version	
Generic name	<input type="button" value="Choose"/>
(EC) 648/2004	<input type="button" value="Choose"/>
Synonym	
Product code	
Use of the product	Lubricants <input type="button" value="Add phrases"/>
Chemical characterisation	Aqueous surfactant solut <input type="button" value="Add phrases"/>
Substance	<input type="checkbox"/>
Hide label	<input type="checkbox"/>
Hide leaflet	<input type="checkbox"/>
Disable LOLI Data	<input type="checkbox"/>
Note	

For this purpose go to „Edit product“ in the main menu and select your product. A click on „Edit“ will take you to the following screen:

Make sure that „Hide label“ is not selected and save your product.

Choose „print label“ in the main menu.

> Main menu > **Print label**

Format selection

Format: A5 --- 2-spr.

Language group: DE/EN

Languages: German, English

Product selection

Search text: sanicl

Products: Saniclean GHS

Product name: Saniclean GHS

Label content

Address: I+K AG

Lot number: 1234

Expiry Date: 12.12.2012

Net/Gross weight: 55 / 60 KG

Orange symbols:

Print

You can choose one of the available label formats. Search the desired product as already shown.

Select also the other contents and then click on „print“.

Please click only once.

The finished label looks like this:

Saniclean GHS

UN3264 ÄTZENDER SAURER ANORGANISCHER FLÜSSIGER STOFF, N.A.G. (Phosphorsäure, Orthophosphorsäure, Sulfamidssäure),8,III

DE	Achtung Verursacht Hautreizungen. Verursacht schwere Augenreizung. Schutzhandschuhe/Augenschutz/ Gesichtsschutz tragen. BEI KONTAKT MIT DER HAUT: Mit viel Wasser und Seife waschen. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen. Bei Hautreizung: Ärztlichen Rat einholen/ ärztliche Hilfe hinzuziehen. Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ ärztliche Hilfe hinzuziehen. Nach Gebrauch Haut gründlich waschen. Kontaminierte Kleidung ausziehen und vor erneutem Tragen waschen. Phosphorsäure, Orthophosphorsäure, CAS-Nr. 7664-38-2 Nichtionische Tenside Sulfamidssäure, CAS-Nr. 5329-14-6
EN	Warning Causes skin irritation. Causes serious eye irritation. Wear protective gloves/ eye protection/ face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Wash skin thoroughly after handling. Take off contaminated clothing and wash before reuse. Phosphoric acid, Orthophosphoric acid, CAS-No. 7664-38-2 Nonionic tensides sulphamic acid; sulphamic acid; CAS-No. 5329-14-6
FR	Attention Provoque une irritation cutanée. Provoque une sévère irritation des yeux. Porter des gants de protection/ un équipement de protection des yeux/ un équipement de protection du visage. EN CAS DE CONTACT AVEC LA PEAU: laver abondamment à l'eau et au savon. EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. En cas d'irritation cutanée, consulter un médecin. Si l'irritation oculaire persiste: consulter un médecin. Se laver la peau soigneusement après manipulation. Enlever les vêtements contaminés et les laver avant réutilisation. Phosphoric acid, Orthophosphoric acid, CAS-No. 7664-38-2 Des tensides non-ioniques sulphamic acid; sulphamic acid; sulfamic acid, CAS-No. 5329-14-6

Expiry: 12.12.2012
NET: 55 KG
GROSS: 60 KG
Artikel-Nr. 987654

I+K AG
Hadlaubstrasse 154
8006 Zürich
Schweiz
+41 44 364 22 33
info@i-k.ch

5. Creating the tremcard

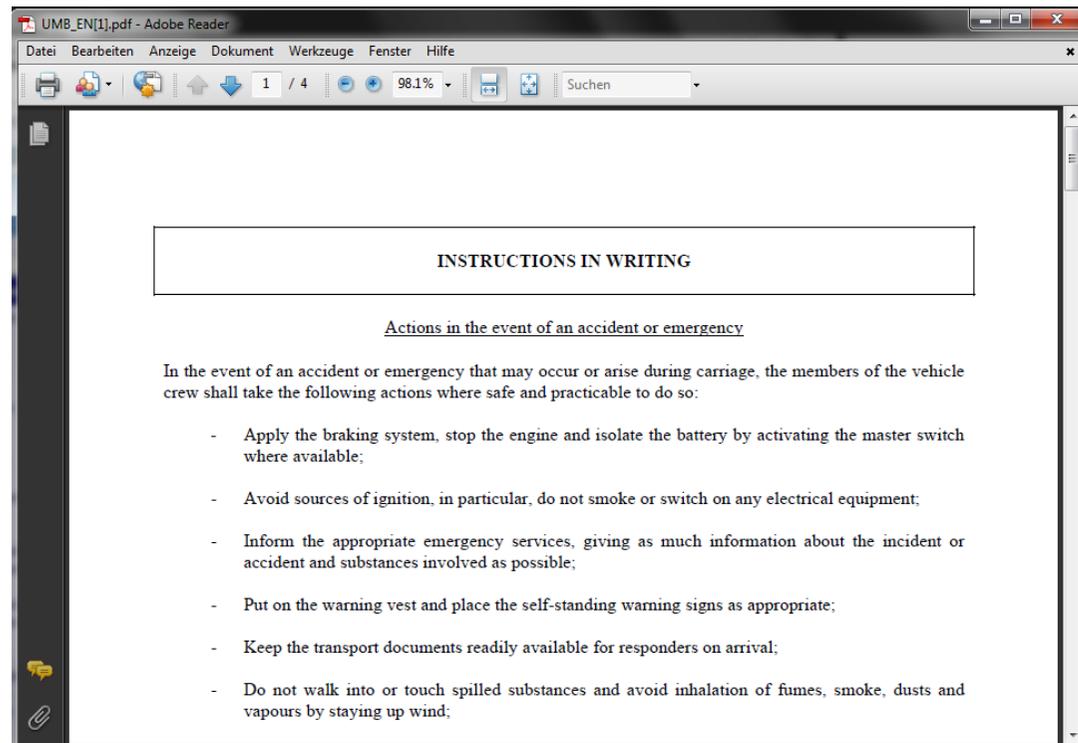
Select „Print tremcard“ in the main menu.

> Main menu > **Print tremcard**

SAFIN.NET - Download Tremcard

Bulgarian
Czech
Danish
Dutch
English
Estonian
Finnish
French
German
Greek
Hungarian
Italian
Lettish
Lithuanian
Norwegian
Polish
Portuguese
Romanian
Russian
Slovak
Slovenian
Spanish
Swedish
Turkish

You can then open or save the following document.



6. Creation of the leaflet

> Main menu > Print Leaflet

Format selection

Language German

Address I+K AG

Product selection

Search text saniclean

Products Saniclean combi
Saniclean GHS

Product name Saniclean GHS

Print

In the main menu you can select „print leaflet“ and then call the product as usual and select the language. By clicking „print“ the leaflet appears in Word format.

Betriebsanweisung

Saniclean GHS

<p>Verwendung des Stoffes/der Zubereitung</p> <p>Form</p> <p>pH-Wert</p> <p>Schmelzpunkt/Schmelzbereich</p> <p>Siedepunkt/Siedebereich</p> <p>Flammpunkt</p> <p>Wasserlöslichkeit</p>	<p>Schmiermittel</p> <p>Wässrige Lösung</p> <p>2,5</p> <p>Keine Information verfügbar.</p> <p>Keine Information verfügbar.</p> <p>Keine Information verfügbar.</p> <p>vollkommen mischbar</p>
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<p>Gefahrenhinweise</p> <p>Sicherheitshinweise</p>	<p>ACHTUNG!</p> <p>H315: Verursacht Hautreizungen.</p> <p>H319: Verursacht schwere Augenreizung.</p> <p>P280: Schutzhandschuhe/Augenschutz/Gesichtsschutz tragen.</p> <p>P302+P362: BEI KONTAKT MIT DER HAUT: Mit viel Wasser und Seife waschen.</p> <p>P305+P351+P338: BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.</p> <p>P332+P313: Bei Hautreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.</p> <p>P337+P313: Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.</p> <p>P264a: Nach Gebrauch Haut gründlich waschen.</p> <p>P362: Kontaminierte Kleidung ausziehen und vor erneutem Tragen waschen.</p>
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Erste-Hilfe-Massnahmen

Einatmen: Nach Einatmen von Aerosol/Nebel falls erforderlich einen Arzt konsultieren. Nach schwerwiegender Einwirkung Arzt hinzuziehen.

Hautkontakt: Sofort mit Seife und viel Wasser abwaschen. Beschmutzte Kleidung und Schuhe ausziehen. Bei andauernder Hautreizung einen Arzt benachrichtigen.

Augenkontakt: Sofort mit viel Wasser, auch unter den Augenlidern, ausspülen. Augenarzt konsultieren.

Verschlucken: Mund ausspülen. In ersten Fällen einen Arzt rufen.

Begrenzung und Überwachung der Exposition/Personliche Schutzausrüstungen

Begrenzung und Überwachung der Exposition

<p>Sicherheitshinweise</p>	<p>P280: Schutzhandschuhe/Augenschutz/Gesichtsschutz tragen.</p> <p>P302+P362: BEI KONTAKT MIT DER HAUT: Mit viel Wasser und Seife waschen. P305+P351+P338: BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen. P332+P313: Bei Hautreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen. P337+P313: Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.</p>
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27.07.2011

<p>Begrenzung und Überwachung der Exposition am Arbeitsplatz</p> <p>Atmenschutz</p> <p>Handschutz</p> <p>Augenschutz</p> <p>Körperschutz</p>	<p>P264a: Nach Gebrauch Haut gründlich waschen. P362: Kontaminierte Kleidung ausziehen und vor erneutem Tragen waschen.</p> <p>Die beim Umgang mit Chemikalien üblichen Vorsichtsmassnahmen sind zu beachten.</p> <p>Bei unzureichender Belüftung Atemschutzgerät anlegen. Atemschutzgerät mit Kombinationsfilter für Dämpfe und Partikel.</p> <p>Die einzusetzenden Schutzhandschuhe müssen den Spezifikationen der EG-Richtlinie 89/686/EWG und der sich daraus ergebenden Norm EN 374 genügen. Lösemittelbeständige Schutzhandschuhe (Gefährdungskategorie 3) sind zu verwenden.</p> <p>Schutzbrille mit Seitenschutz gemäss EN 166.</p> <p>Langärmelige Arbeitskleidung.</p>
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Hinweise zur Entsorgung

Ungebrauchtes Produkt: Unter Beachtung der örtlichen behördlichen Bestimmungen besorgen. Entsorgung gemäss EG-Richtlinien über Abfälle und über gefährliche Abfälle.

27.07.2011