



## Safety Data Sheet according to (EC) No 1907/2006

Page 1 of 10

sds no. : 29800  
V001.0

**Silan Conc. sensitive skin/peau sensible**

Revision: 16.07.2012  
printing date: 08.12.2014

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

#### 1.1. Product identifier

Silan Conc. sensitive skin/peau sensible

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

fabric finisher

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

Henkel Belgium N.V.  
16, Avenue du Port/Havenlaan 16  
B-1080 Bruxelles/Brussel  
Phone: ++32 (0)2-4212711

uw-msds.benelux@be.henkel.com

#### 1.4. Emergency telephone number

Emergency-No in Belgium: ++32 70 222 076 (around-the-clock)

Anti poisoning center in Belgium, Tel: +32 (0)70 245245

### SECTION 2: Hazards identification

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

##### Classification according to Directive 1999/45/EC (DPD):

No environmental classification

No toxicological classification.

#### 2.2. Label elements

##### Label elements (DPD):

##### Safety phrases:

S2 Keep out of the reach of children.

#### 2.3. Other hazards

None if used properly.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

#### 3.2. Mixtures

**Hazardous substances according to CLP (EC) No 1272/2008:**

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Propan-2-ol 67-63-0	200-661-7	01-2119457558-25	>= 1- < 5 %	Flammable liquids 2 H225 Serious eye irritation 2 H319 Specific target organ toxicity - single exposure 3 H336
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	295-344-3		>= 10- < 20 %	Skin irritation 2; Dermal H315 Serious eye irritation 2 H319 Chronic hazards to the aquatic environment 2 H411
Butylcyclohexylacetate, 2-tert- 88-41-5	201-828-7		>= 0,1- < 2,5 %	Chronic hazards to the aquatic environment 2 H411
Butylcyclohexylacetat, para-tert.- 32210-23-4	250-954-9		>= 0,1- < 2,5 %	Chronic hazards to the aquatic environment 2 H411

Until 1. June 2015 hazard classification according to Regulation (EC) No 1272/2008 (CLP) for ingredients is provided, if respective information is available already. No information on hazard classification does not imply that the respective ingredient is not classified. If no information on classification according to Regulation (EC) No 1272/2008 (CLP) is provided, please refer to hazard classification according to Directive 67/548/EEC.

**For full text of the H - Phrases indicated by codes only see Section 16 "Other information".**

**Hazardous substances according to DPD (EC) No 1999/45:**

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Propan-2-ol 67-63-0	200-661-7	01-2119457558-25	>= 1- < 5 %	Xi - Irritant; R36 F - Highly flammable; R11 R67
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	295-344-3		>= 10- < 20 %	Xi - Irritant; R36/38
Butylcyclohexylacetate, 2-tert- 88-41-5	201-828-7		>= 0,1- < 2,5 %	N - Dangerous for the environment; R51/53
Butylcyclohexylacetat, para-tert.- 32210-23-4	250-954-9		>= 0,1- < 2,5 %	N - Dangerous for the environment; R51/53

**For full text of the R - Phrases indicated by codes only see Section 16 "Other information".**

**SECTION 4: First aid measures****4.1. Description of first aid measures**

## General information:

In case of adverse health effects seek medical advice.

## Inhalation:

Move to fresh air. In case of breathing difficulties seek immediate medical advice.

## Skin contact:

Rinse with water. Take off all clothing contaminated by the product.

## Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

## Ingestion:

Do not induce vomiting, seek medical advice immediately.  
Rinse mouth with water, (only if the person is conscious).

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

After inhalation: Irritation of the respiratory tract, coughing. Inhalation of larger amounts may cause laryngospasm with shortness of breath.

After skin contact: Temporary irritation of the skin (redness, swelling, burning).

After eye contact: Temporary irritation of the eyes (redness, swelling, burning, watering eyes).

After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhoe and vomiting. Vomit may get into the lungs causing damage (aspiration).

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

After inhalation: No special action.

After skin contact: No special action.

After eye contact: No special action.

After ingestion: Do not induce vomiting. Single administration of a non-carbonated beverage (water or tea).

After ingestion: In case of ingestion of larger or unknown quantities administer a defoamer (Dimeticon or Simatecon).

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions. Commercially available extinguishers are suitable for fighting incipient fires. The product itself does not burn.

**Extinguishing media which must not be used for safety reasons:**

None

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

Hazardous combustion products can be formed by pyrolysis and/or carbon monoxide.

#### 5.3. Advice for firefighters

Use personal protective equipment and self-contained breathing apparatus.

### SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes.

Danger of slipping on spilled product.

Ensure adequate ventilation.

#### 6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

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

Remove mechanically. Rinse away residue with plenty of water.

#### 6.4. Reference to other sections

See advice in chapter 8

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

No special measures required if used properly.

#### Hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.

Protective equipment only required in case of industrial use or for large packs (not for household packs)

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

Store dry at between +5 and +40°C.  
Consider national regulations.

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

fabric finisher

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

Only relevant for professional/industrial use

**8.1. Control parameters**

Valid for  
Belgium

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
ISOPROPYL ALCOHOL 67-63-0	200	500	Time Weighted Average (TWA):		BE/OEL
ISOPROPYL ALCOHOL 67-63-0	400	1.000	Short Term Exposure Limit (STEL):		BE/OEL

**8.2. Exposure controls**

Respiratory protection:  
Not needed.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodically and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Wear tight fitting goggles.

Skin protection:

Protective clothing against chemicals. Observe manufacturer's instructions.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

The following data apply to the whole mixture.

Appearance	liquid low viscosity
Odor	white sweet
pH (20 °C (68 °F); Conc.: 100 % product; Solvent: Water)	2,2 - 3,2
Initial boiling point	Not applicable
Flash point	No flash point up to 100°C. Aqueous preparation.
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	0,995 - 1,005 g/cm <sup>3</sup>
Bulk density	Not applicable
Viscosity	75 - 375 mPa.s

(Brookfield; Instrument: RVTDV II; 20 °C (68 °F); speed of rotation: 6 min-1; Spindle No: 2; Conc.: 100 % product; Solvent: None)

Viscosity (kinematic)	Not applicable
Explosive properties	Not applicable
Solubility (qualitative)	Not applicable
Solidification temperature	Not applicable
Melting point	Not applicable
Flammability	Not applicable
Auto-ignition temperature	Not applicable
Explosive limits	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Evaporation rate	Not applicable
Vapor density	Not applicable
Oxidising properties	Not applicable

## 9.2. Other information

Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None if used for intended purpose.

### 10.2. Chemical stability

Stable under normal conditions of temperature and pressure.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

No decomposition if used according to specifications.

### 10.5. Incompatible materials

None if used properly.

### 10.6. Hazardous decomposition products

No decomposition if used according to specifications.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Propan-2-ol 67-63-0	LD50	5.338 mg/kg	oral		rat	
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	LD50	>= 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

#### Acute dermal toxicity:

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Propan-2-ol 67-63-0	LD50	12.870 mg/kg	dermal		rabbit	
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	LD0	>= 2.000 mg/kg	dermal		rat	OECD Guideline 402 (Acute Dermal Toxicity)

**Acute inhalative toxicity:**

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Propan-2-ol 67-63-0	LC50	72,6 mg/l	inhalation	4 h	rat	

**Skin corrosion/irritation:**

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Propan-2-ol 67-63-0	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Propan-2-ol 67-63-0	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous substances CAS-No.	Result	Test type	Species	Method
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	not sensitising	Guinea pig maximisation test		OECD Guideline 406 (Skin Sensitisation)

**Germ cell mutagenicity:**

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Propan-2-ol 67-63-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Repeated dose toxicity**

Hazardous substances CAS-No.	Result Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Propan-2-ol 67-63-0	1500	inhalation	13 weeks 6 hours/day, 5 days/week	mouse	
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	300 mg/kg	oral: gavage	90 d once daily, 5 times a week	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

**SECTION 12: Ecological information****12.1. Toxicity****Toxicity (Fish):**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Propan-2-ol 67-63-0	LC50	9.640 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	LC50	1 - 10 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butylcyclohexylacetate, 2-tert-88-41-5	LC50	1,7 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butylcyclohexylacetat, para-tert.- 32210-23-4	LC50	8,6 mg/l	Fish	96 h	Cyprinus carpio	OECD Guideline 203 (Fish, Acute Toxicity Test)

**Toxicity (Daphnia):**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Propan-2-ol 67-63-0	EC50	13.299 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	EC50	1 - 10 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butylcyclohexylacetate, 2-tert-88-41-5	EC50	17 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butylcyclohexylacetat, para-tert.- 32210-23-4	EC50	23,4 mg/l	Daphnia	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)

**Toxicity (Algae):**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Propan-2-ol 67-63-0	EC50	> 1.000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	EC50	1 - 10 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butylcyclohexylacetat, para-tert.- 32210-23-4	EC50	17 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

**12.2. Persistence and degradability**

Hazardous substances CAS-No.	ResultValue	Route of application	Species	Method
------------------------------	-------------	----------------------	---------	--------

Propan-2-ol 67-63-0	readily biodegradable	aerobic	95 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
TEAester quat-ME2SO4 C10-20 C16-18 91995-81-2	readily biodegradable		> 60 %	
Butylcyclohexylacetate, 2-tert- 88-41-5		aerobic	6 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Butylcyclohexylacetat, para-tert.- 32210-23-4	readily biodegradable	aerobic	75 %	

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Method
Propan-2-ol 67-63-0	0,05				OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Butylcyclohexylacetate, 2-tert- 88-41-5	4,8				
Butylcyclohexylacetat, para-tert.- 32210-23-4	4,42				

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

No data available.

**12.6. Other adverse effects**

Other adverse effects of this product for the environment are not known to us.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Only completely empty containers are to be disposed of as recoverable materials.

**SECTION 14: Transport information**

- 14.1. UN number**  
Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**  
Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**  
Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.
- 14.4. Packaging group**  
Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.
- 14.5. Environmental hazards**  
Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.
- 14.6. Special precautions for user**  
Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
not applicable

**SECTION 15: Regulatory information**

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

**Declaration of ingredients according to Detergent Regulation 648/2004/EC**

5 - 15 %	cationic surfactants
Further ingredients	Perfumes
	preservation agents
	Benzisothiazolinone

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R11 Highly flammable.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

### Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.