

according to Regulation (EC) No 1907/2006

**alwitra Reiniger L 40 - alwitra nettoyant L 40 - alwitra cleaner L 40**

Revision date: 04.12.2020

Product code: RCSO-AWT-003

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

**1.1. Product identifier**

alwitra Reiniger L 40 - alwitra nettoyant L 40 - alwitra cleaner L 40

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

**Use of the substance/mixture**

Cleaning thinner

**Uses advised against**

Only use for the intended purpose.  
The product is intended for professional use.

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

Company name: alwitra GmbH  
Street: Am Forst 1  
Place: D-54296 Trier-Irsch  
Telephone: 0651 - 9102 - 0  
e-mail (Contact person): pm-ddb@alwitra.de  
Responsible Department: Produkt Management DDB

**1.4. Emergency telephone number:**

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department or the NHS enquiry service.

**SECTION 2: Hazards identification**

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

**Regulation (EC) No. 1272/2008**

Hazard categories:  
Flammable liquid: Flam. Liq. 2  
Aspiration hazard: Asp. Tox. 1  
Skin corrosion/irritation: Skin Irrit. 2  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazardous to the aquatic environment: Aquatic Chronic 2  
Hazard Statements:  
Highly flammable liquid and vapour.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause drowsiness or dizziness.  
Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

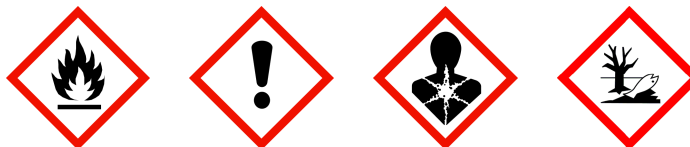
**Regulation (EC) No. 1272/2008**

**Hazard components for labelling**

Hydrocarbons, C6, isoalkanes, <5% n-hexane  
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane  
acetone; propan-2-one; propanone

**Signal word:** Danger

**Pictograms:**



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**Hazard statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P331	Do NOT induce vomiting.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container according to regional/national regulations. Do not discard with household waste.

**2.3. Other hazards**

The components in this mixture do not meet the criteria for classification as PBT or vPvB.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Chemical characterization**

Solvent mixture

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
	Hydrocarbons, C6, isoalkanes, <5% n-hexane			>50-100 %
	931-254-9		01-2119484651-34	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			>25-50 %
	927-510-4		01-2119475515-33	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane			>5-10 %
	926-605-8		01-2119486291-36	
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411			
67-64-1	acetone; propan-2-one; propanone			>2,5-5 %
	200-662-2	606-001-00-8	01-2119471330-49	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

Full text of H and EUH statements: see section 16.

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

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**General information**

In case of troubles or persistent symptoms, consult an doctor/physician.  
Remove persons from danger area and lie them down. Never orally infuse something to an unconscious person. No special first aid measures necessary. A vomiting, supine person must be brought into recovery position.

**After inhalation**

Provide fresh air. In case of respiratory tract irritation, consult a physician.  
In case of irregular breathing or respiratory arrest, perform artificial respiration.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Subsequently wash off with: Polyethylene glykol 400. Change contaminated clothing. In case of skin irritation, consult a physician.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

**After ingestion**

Do NOT induce vomiting. Call a physician immediately.

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

No further relevant information available.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide (CO2). Extinguishing powder. Water spray. Fight larger fires with water spray jet or alcohol-resistant foam.

**Unsuitable extinguishing media**

High power water jet.

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

Thermal decomposition can lead to harmful gases and vapours.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.  
Co-ordinate fire-fighting measures to the fire surroundings.

**Additional information**

Do not allow to enter into surface water or drains. Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: Accidental release measures**

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

Provide adequate ventilation. Keep away from sources of ignition - No smoking. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.  
Do not rinse with water or watery detergents.

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**6.4. Reference to other sections**

Safe handling: see section 7  
 Personal precautions: refer to section 8  
 Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Provide adequate ventilation as well as local exhaust at critical locations. Handle and open container with care.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

**Further information on handling**

Avoid the formation of aerosol.

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

**Requirements for storage rooms and vessels**

Store only in original container. Keep container tightly closed in a cool, well-ventilated place. Protect against direct sunlight.

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

Cleaning thinner

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

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
	Hydrocarbons, C6, isoalkanes, <5% n-hexane			
	Consumer DNEL, long-term	dermal		1377 mg/kg bw/day
	Worker DNEL, long-term	dermal		13964 mg/kg bw/day
	Consumer DNEL, long-term	inhalation		1137 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation		5306 mg/m <sup>3</sup>
	Consumer DNEL, long-term	oral		1301 mg/kg bw/day
	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			
	Consumer DNEL, long-term	oral		149 mg/kg bw/day
	Consumer DNEL, long-term	dermal		149 mg/kg bw/day
	Worker DNEL, long-term	dermal		300 mg/kg bw/day
	Consumer DNEL, long-term	inhalation		477 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation		2085 mg/m <sup>3</sup>
	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane			
	Consumer DNEL, long-term	oral		1301 mg/kg bw/day
	Consumer DNEL, long-term	dermal		1377 mg/kg bw/day
	Worker DNEL, long-term	dermal		13964 mg/kg bw/day
	Consumer DNEL, long-term	inhalation		1131 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation		5306 mg/m <sup>3</sup>
67-64-1	acetone; propan-2-one; propanone			
	Consumer DNEL, long-term	oral		62 mg/kg bw/day
	Consumer DNEL, long-term	dermal		62 mg/kg bw/day
	Worker DNEL, long-term	dermal		186 mg/kg bw/day
	Consumer DNEL, long-term	inhalation		200 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation		2420 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation		1210 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	Value
	Environmental compartment	
67-64-1	acetone; propan-2-one; propanone	
	Freshwater	10,6 mg/l
	Marine water	1,06 mg/l
	Soil	29,5 mg/kg
	Marine sediment	3,04 mg/kg
	Freshwater sediment	30,4 mg/kg
	Micro-organisms in sewage treatment plants (STP)	100 mg/l

**8.2. Exposure controls**

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**Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Avoid skin, eye and clothing contact. After contact with skin, wash immediately with plenty of water and soap or a suitable cleaning agent.

**Eye/face protection**

Tightly fitting safety glasses with side shields.

**Hand protection**

Protect skin by using skin protective cream. Wear suitable gloves. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Suitable material: Butyl rubber. FKM (fluororubber). Thickness of glove material:  $\geq 0,7\text{mm}$

**Skin protection**

Full cover clothing covering arms and legs.

**Respiratory protection**

Use protective filter mask in case of short-term and low exposure; in case of intense or longer exposure, use respiratory protection device operating independently from circulating air. Respirator with combination filter for vapour and particles. Filter type A-P2.

**SECTION 9: Physical and chemical properties**

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

Physical state: liquid  
 Colour: colourless  
 Odour: characteristic

**Test method**

pH-Value: not determined

**Changes in the physical state**

Melting point: not determined  
 Initial boiling point and boiling range: 55 °C  
 Flash point: -25 °C

**Flammability**

Gas: not determined

**Explosive properties**

The product is not explosive, however, formation of explosive mixtures are possible.

Lower explosion limits: 1,1 vol. %  
 Upper explosion limits: 13,0 vol. %  
 Ignition temperature: 540 °C

**Auto-ignition temperature**

Solid: The product is not self-igniting.  
 Gas: not determined

Decomposition temperature: not determined

**Oxidizing properties**

not determined

Vapour pressure: 247 hPa  
 (at 20 °C)

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Density (at 20 °C):	0,7 g/cm <sup>3</sup> ISO 2811
Water solubility:	insoluble
Partition coefficient:	not determined
Viscosity / dynamic: (at 20 °C)	10 mPa·s ISO 2555
Viscosity / kinematic:	not determined
Vapour density:	not determined
Solvent content:	100 %

**9.2. Other information**

No further information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No dangerous reactivity under regular conditions.

**10.2. Chemical stability**

The product is stable under regular conditions.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No further relevant information available.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C6, isoalkanes, <5% n-hexane				
	oral	LD50 mg/kg	5840	Rat	
	dermal	LD50 mg/kg	2920	Rabbit	
	inhalation (4 h) vapour	LC50	25,2 mg/l	Rat	
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50 mg/kg	5800	Rat	OECD 401
	dermal	LD50 mg/kg	>15800	Rat	
	inhalation (4 h) vapour	LC50	76 mg/l	Rat	

**Irritation and corrosivity**

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

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**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause drowsiness or dizziness. (Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Further information**

The product is skin resorptive.

**SECTION 12: Ecological information**
**12.1. Toxicity**

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Hydrocarbons, C6, isoalkanes, <5% n-hexane					
	Acute fish toxicity	LC50	11,4 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout) Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	3 mg/l	48 h	Daphnia magna	
	Crustacea toxicity	NOEC	0,17 mg/l	21 d	Daphnia magna	
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50	5540 mg/l	96 h	Oncorhynchus mykiss	
	Acute crustacea toxicity	EC50	6100 mg/l	48 h	Daphnia magna	
	Algae toxicity	NOEC	4740 mg/l	2 d	Selenastrum capricornutum	

**12.2. Persistence and degradability**

No further information available.

**12.3. Bioaccumulative potential**

No further information available.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24

**12.4. Mobility in soil**

No data available.

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

The components in this mixture do not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

No data available.



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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Disposal according to official regulations. Do not dispose with household waste. Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**List of Wastes Code - residues/unused products**

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
 (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** I  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274  
 Limited quantity: 0  
 Excepted quantity: E3  
 Transport category: 1  
 Hazard No: 33  
 Tunnel restriction code: D/E

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
 (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** I  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274  
 Limited quantity: 0  
 Excepted quantity: E3

**Marine transport (IMDG)**

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**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
 (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** I  
 Hazard label: 3



Special Provisions: 274  
 Limited quantity: 0  
 Excepted quantity: E3  
 EmS: F-E, S-E

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
 (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** I  
 Hazard label: 3



Special Provisions: A3  
 Limited quantity Passenger: Forbidden  
 Passenger LQ: Forbidden  
 Excepted quantity: E3  
 IATA-packing instructions - Passenger: 351  
 IATA-max. quantity - Passenger: 1 L  
 IATA-packing instructions - Cargo: 361  
 IATA-max. quantity - Cargo: 30 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: cyclohexane, n-hexane, Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

**14.6. Special precautions for user**

No special precautions known.

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

not applicable

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):  
 Entry 3

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2004/42/EC (VOC): 100 % (700 g/l)  
Information according to 2012/18/EU (SEVESO III): E2 Hazardous to the Aquatic Environment  
Additional information: P5c

**Additional information**

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable  
Regulation (EC) No. 648/2004 (Detergents regulation): not applicable  
Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable  
Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).  
This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none  
This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.  
Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this mixture a chemical safety assessment has been carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 4,7,8,10,13,15,16.  
Version 19 - General update - 27.01.2016  
Version 20 - General update - 26.04.2017  
Version 21 - General update - 09.08.2019  
Version 22 - General update - 04.12.2020

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act  
CAS: Chemical Abstracts Service  
DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)  
EC: Effective Concentration  
EG: European Community (Europäische Gemeinschaft)  
EN: European Norm  
IATA: International Air Transport Association  
IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk  
ICAO: International Civil Aviation Organization  
IMDG: International Maritime Code for Dangerous Goods  
ISO: Norm of the International Standards Organization  
CLP: Classification, Labeling, Packaging  
IUCLID: International Uniform Chemical Information Database  
LC: Lethal concentration  
LD: Lethal dose  
log Kow: Octanol/water partition coefficient

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MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships  
 OECD: Organisation for Economic Co-operation and Development  
 PBT: Persistent, bio-cumulative, toxic  
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail  
 TRGS: Technische Regeln für Gefahrstoffe  
 UN: United Nations  
 VOC: Volatile Organic Compounds  
 vPvB: very persistent and very bio-cumulative  
 WGK: German Water Hazard Class  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 DNEL: Derived No Effect Level  
 PNEC: Predicted No Effect Concentration  
 TLV: Threshold Limiting Value  
 STOT: Specific Target Organ Toxicity  
 AwSV: Ordinance on Installations for Handling Substances Hazardous to Water

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Flam. Liq. 2; H225	Calculation method
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

**Relevant H and EUH statements (number and full text)**

H225 Highly flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

**Further Information**

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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 Phone: +49 (0)6021 - 1 50 86-0, Fax: +49 (0)6021 - 1 50 86-77, E-Mail: eu-sds@assesio.eu, www.assesio.eu

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*