

according to Regulation (EC) No 1907/2006

540 Renia - deSohl - Stripper

Revision date: 04.01.2018

Product code: 540.000tf

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

## 1.1. Product identifier

540 Renia - deSohl - Stripper

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

# Use of the substance/mixture

Solvent/Thinner. Reserved for industrial and professional use.

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

1.3. Details of the supplier of the safet	<u>y data sheet</u>	
Company name:	Renia Gesellschaft mbH. Chemische Fabrik	
	D	
Street:	Ostmerheimer Straße 516	
Place:	D-51109 Köln (Cologne)	
Post-office box:	910659	
	D-51076 Köln (Cologne)	
Telephone:	+49-221-630799-0	Telefax: +49-221-630799-50
e-mail:	info@renia.com	
Contact person:	Heinz Buchholz Dipl.Chem	Telephone: 16
e-mail:	labor@renia.com	
Internet:	www.renia.com	
Responsible Department:	Labor 07:30 - 16:00 Uhr	
1.4. Emergency telephone	+49-221-630799-0	

#### number:

# **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## Regulation (EC) No. 1272/2008

Hazard categories:
Flammable liquid: Flam. Liq. 2
Acute toxicity: Acute Tox. 4
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Hazard Statements:
Highly flammable liquid and vapour.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Labelling according to Degulation (EC) No. 1979/2009 [CLD]

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

## 2.2. Label elements

# Regulation (EC) No. 1272/2008

## Hazard components for labelling xylene ethyl acetate Signal word: Danger



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Pictograms:



# Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
P235	Keep cool.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/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.
P321	Specific treatment (see on this label).
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use to extinguish.
P501	Dispose of contents/container to

#### Additional advice on labelling

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

#### 2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

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

#### 3.2. Mixtures

#### Chemical characterization

Mixture of organic solvents

#### Hazardous components

CAS No	Chemical name			Quantity		
	EC No	Index No	REACH No			
	Classification according to Regulation (EC) No. 1272/2008 [CLP]					
1330-20-7 xylene				45 - < 60 %		
	215-535-7	601-022-00-9	01-2119488216-32			
	Flam. Liq. 3, Acute Tox	3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315				
141-78-6	ethyl acetate			45 - < 60 %		
	205-500-4	607-022-00-5	01-2119475103-46			
	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

### **General information**

Remove affected person from the danger area and lay down.



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#### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Medical treatment necessary.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. Grease skin after contact In case of skin irritation, consult a physician.

#### After contact with eyes

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

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

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

Dizziness. Nausea. Headache. unconsciousness.

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

Treat symptomatically. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Where appropriate artificial ventilation. Subsequent observance for pneumonia and lung oedema.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

### Suitable extinguishing media

Carbon dioxide (CO2), alcohol resistant foam. Extinguishing powder, ABC powder. Atomized water.

#### Unsuitable extinguishing media

High power water jet. High power water jet.

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

Flammable. Vapours can form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### **SECTION 6: Accidental release measures**

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

Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/vapour/aerosol. The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

## 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.

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13



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### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### Advice on safe handling

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours / aerosols must be extracted by suction immediately at point of origin. Take precautionary measures against static discharges.

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

#### Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Recommended storage temperature: 15-30 °C Ensure adequate ventilation of the storage area.

#### Advice on storage compatibility

Do not store together with: Oxidising agent, Pyrophoric or self-heating substances. Store packaging and combustible materials separately from one another. Keep away from food, drink and animal feedingstuffs.

#### Further information on storage conditions

Floors should be impervious, resistant to liquids and easy to clean. Store small packages in a suitable, robust cabinet.

## 7.3. Specific end use(s)

Solvent/Thinner.

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

#### 8.1. Control parameters

### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol		Post shift



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# **DNEL/DMEL** values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
1330-20-7	xylene			
Consumer DN	EL, long-term	oral	systemic	1,6 mg/kg bw/day
Consumer DN	EL, long-term	dermal	systemic	108 mg/kg bw/day
Worker DNEL	, long-term	dermal	systemic	180 mg/kg bw/day
Consumer DN	EL, acute	inhalation	local	174 mg/m³
Worker DNEL	, acute	inhalation	local	289 mg/m³
Consumer DN	EL, long-term	inhalation	systemic	14,8 mg/m³
Worker DNEL	, long-term	inhalation	systemic	77 mg/m³
141-78-6	ethyl acetate			
Worker DNEL	, long-term	inhalation	systemic	1468 mg/m <sup>3</sup>
Worker DNEL	, acute	inhalation	local	1468 mg/m <sup>3</sup>
Worker DNEL	, long-term	dermal	systemic	63 mg/kg bw/day
Worker DNEL	, long-term	inhalation	local	734 mg/m³
Consumer DN	EL, acute	inhalation	systemic	734 mg/m³
Consumer DN	EL, long-term	inhalation	local	734 mg/m <sup>3</sup>
Consumer DN	EL, long-term	dermal	systemic	37 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	367 mg/m <sup>3</sup>
Consumer DN	EL, long-term	oral	systemic	4,5 mg/kg bw/day
Consumer DN	EL, acute	inhalation	local	367 mg/m <sup>3</sup>

**PNEC** values

CAS No	Substance		
Environment	al compartment	Value	
1330-20-7	xylene		
Freshwater		0,327 mg/l	
Freshwater (	intermittent releases)	0,327 mg/l	
Marine wate	r	0,327 mg/l	
Freshwater s	sediment	12,46 mg/kg	
Marine sediment		12,46 mg/kg	
Soil		2,31 mg/kg	
Micro-organi	sms in sewage treatment plants (STP)	6,58 mg/l	
141-78-6	ethyl acetate		
Freshwater		0,26 mg/l	
Marine wate	r	0,026 mg/l	
Freshwater s	sediment	0,34 mg/kg	
Marine sedir	Marine sediment		
Soil		0,22 mg/kg	

# 8.2. Exposure controls



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#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

## Eye/face protection

Tightly sealed safety glasses.

## Hand protection

Test suitability of gloves before use.

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material : 0,5 mm

Breakthrough time (maximum wearing time) : >= 1 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

## Skin protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Wear anti-static footwear and clothing

## Respiratory protection

Respiratory protection necessary at: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387) Use the following filter types for cleaning waste gases: A-P2

## **Environmental exposure controls**

Do not allow to enter into soil/subsoil. 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.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Ph	ysical state:	liquid	
Co	lour:	colourless	
Od	our:	ester - characteristic	
			Test method
pН	-Value:	not applicable	
Ch	anges in the physical state		
Me	Iting point:	-35 °C	
Init	ial boiling point and boiling range:	77 - 112 °C	DIN 53171
Su	blimation point:	not determined	
So	ftening point:	not determined	
Po	ur point:	not determined	ASTM D 97-66
:			ASTM D 1015
Fla	sh point:	-4 °C	DIN 51755
Su	staining combustion:	No data available	



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Flammability		
Solid:	not applicable	
Gas:	not applicable	
Explosive properties Vapours can form explosive mixtures with air.		
Lower explosion limits:	1 vol. %	
Upper explosion limits:	11,5 vol. %	
Ignition temperature:	460 °C	
Auto-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Decomposition temperature:	not determined	
Oxidizing properties Not oxidising.		
Vapour pressure:	100 hPa	
(at 20 °C) Vapour pressure:	950 hPa	
(at 50 °C)		
Density:	0,88 g/cm³	
Bulk density:	not applicable	
Water solubility:	The study does not need to be conducted	
	because the substance is known to be insoluble in water	
Solubility in other solvents		
not determined		
Partition coefficient:	not determined	
Viscosity / dynamic:	0,35 mPa·s	
(at 20 °C)		
Viscosity / kinematic:	not determined	
Flow time:	< 100 (3 mm)	
Vapour density:	not determined	
Evaporation rate:	not determined	
Solvent separation test:	< 0,1 %	
Solvent content:	100 %	
9.2. Other information		
Solid content:	not determined	

# **SECTION 10: Stability and reactivity**

# 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

# 10.2. Chemical stability

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

# 10.3. Possibility of hazardous reactions

Gas/vapour, highly flammable. Vapours can form explosive mixtures with air.



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## 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Decompostion takes place from temperatures above: > 150 °C

### 10.5. Incompatible materials

Acid, concentrated. , Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

#### Toxicocinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

#### Acute toxicity

Harmful if inhaled.

Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.

### ATEmix calculated

ATE (inhalative aerosol) 2,830 mg/l

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
1330-20-7	xylene					
	oral	LD50 mg/kg	8700	Rat		
	dermal	LD50 mg/kg	2000	Rabbit		
	inhalative (4 h) vapour	LC50	6350 mg/l	Rat		
	inhalative aerosol	ATE	1,5 mg/l			
141-78-6	ethyl acetate					
	oral	LD50 mg/kg	5600	Rat		
	dermal	LD50 mg/kg	18000	Rabbit		
	inhalative (4 h) vapour	LC50	58 mg/l	Rat		

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Frequently or prolonged contact with skin may cause dermal irritation.

## Sensitising effects

Based on available data, the classification criteria are not met. There are no data available on the preparation/mixture itself.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met. There are no data available on the preparation/mixture itself.

# STOT-single exposure

May cause drowsiness or dizziness. (ethyl acetate) There are no data available on the preparation/mixture itself.

#### STOT-repeated exposure

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

Inhalation of vapours in high concentration can cause narcotic effects and metabolic acidosis.



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#### Aspiration hazard

Based on available data, the classification criteria are not met. There are no data available on the preparation/mixture itself.

### Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

#### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

# **SECTION 12: Ecological information**

### 12.1. Toxicity

Longterm fish toxicity Product is easily volatile. Product is slightly soluble in test vehicle. An aqueous dispersion has been testet.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method
1330-20-7	xylene						
	Acute fish toxicity	LC50	26 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50	4 mg/l	· · - · ·	Pseudokirchneriella subcaptitata		
	Acute crustacea toxicity	EC50	165 mg/l	48 h			
141-78-6	ethyl acetate						
	Acute fish toxicity	LC50	230 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 mg/l	3300		Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50	717 mg/l	48 h	Daphnia magna		

### 12.2. Persistence and degradability

Product is biodegradable with difficulty.

## 12.3. Bioaccumulative potential

There are no data available on the preparation/mixture itself.

# Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1330-20-7	xylene	3
141-78-6	ethyl acetate	0,6
BCF		

CAS No	Chemical name	BCF	Species	Source
141-78-6	ethyl acetate	30		

#### 12.4. Mobility in soil

There are no data available on the preparation/mixture itself.

## 12.5. Results of PBT and vPvB assessment

There are no data available on the preparation/mixture itself.

#### 12.6. Other adverse effects

There are no data available on the preparation/mixture itself.

#### **Further information**

The statement is derived form the properties of the components.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods



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## Advice on disposal

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

## Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

### Waste disposal number of used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

#### Waste disposal number of contaminated packaging

## 150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

### Contaminated packaging

Dispose according to legislation. Completely emptied packages can be recycled.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

· · · /	
<u>14.1. UN number:</u>	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S., Hazardous Material: ethyl acetate
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
	3
Classification code:	F1
Special Provisions:	274 601 640D
Limited quantity:	1L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E
Inland waterways transport (ADN)	
<u>14.1. UN number:</u>	UN 1993
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S., Hazardous Material: (ethyl acetate)
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3
	3
Classification code:	F1
Special Provisions:	274 330 601 640D
Limited quantity:	LQ4
Excepted quantity:	E2
······································	



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Other applicable information (inland w : 640H	aterways transport)	
: 274 330 601 640D		
E2		
/arine transport (IMDG)		
14.1. UN number:	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. Hazardous Material: ethyl acetate	
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Marine pollutant:	No	
Special Provisions:	274, 330, 944	
Limited quantity:	1 L	
Excepted quantity: EmS:	E2 F-E, S-E	
Other applicable information (marine t		
Category: : B		
Air transport (ICAO-TI/IATA-DGR)		
<u>14.1. UN number:</u>	UN 1993	
14.2. UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. Hazardous Material: : Eth	ylacetate
14.3. Transport hazard class(es):	3	
14.4. Packing group:	II	
Hazard label:	3	
Special Provisions:	A3	
Limited quantity Passenger:	1 L	
Passenger LQ:	Y341	
Excepted quantity:	E2	
IATA-packing instructions - Passenger:	305 5 L	
IATA-may quantity - Passenger	309	
IATA-max. quantity - Passenger: IATA-packing instructions - Cargo:		
IATA-max. quantity - Passenger: IATA-packing instructions - Cargo: IATA-max. quantity - Cargo:	60 L	
IATA-packing instructions - Cargo:	60 L	

# **SECTION 15: Regulatory information**

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

EU regulatory information	
2010/75/EU (VOC):	100 % (880 g/l)
2004/42/EC (VOC):	100 % (880 g/l)



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# Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

### National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils 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.

Water contaminating class (D):

2 - clearly water contaminating

## 15.2. Chemical safety assessment

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

### **SECTION 16: Other information**

### Changes

This data sheet contains changes from the previous version in section(s): 2.

### 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) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association 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 CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50%

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

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Acute Tox. 4; H332	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

## Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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