

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Duftöl 10ml Rose =< 125 mL

Further trade names

This MSDS covers the following products:

-91289 Duftöl 10ml Rose

-50043 Duftöl 10ml Rose

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

Perfumes, fragrances

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: Promed GmbH
Cosmetic Products,
Lindenweg 11, 82490
Farchant, Germany

Responsible Department:

Dr. Gans-Eichler
Chemieberatung GmbH
Raesfeldstr. 22
D-48149 Münster

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SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

citronellol

geraniol

geranyl acetate

cinnamyl alcohol

2,6-Dimethyl-2,6-octadiene-8-ol

isocyclocitral

Undec-10-enal

(E)-1-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-buten-1-one

Signal word:

Warning

Pictograms:

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501 Dispose of contents/container to local/regional/national/international regulations.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
106-22-9	citronellol			5 - < 10 %
	203-375-0			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
3407-42-9	3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol			5 - < 10 %
	222-294-1			
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412			
60-12-8	2-phenylethanol			5 - < 10 %
	200-456-2			
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
106-24-1	geraniol			1 - < 5 %
	203-377-1			
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1; H315 H318 H317			
140-11-4	Benzyl Acetate			1 - < 5 %
	205-399-7			
	Aquatic Chronic 3; H412			
151-05-3	a,a-dimethylphenethyl acetate			1 - < 5 %
	205-781-3			
	Aquatic Chronic 3; H412			
101-48-4	Phenylacetaldehyde dimethyl acetal			1 - < 5 %
	202-945-6			
	Eye Irrit. 2; H319			
105-87-3	geranyl acetate			1 - < 5 %
	203-341-5			
	Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 3; H315 H317 H412			

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150-84-5	citronellyl acetate		1 - < 5 %
	205-775-0		
	Skin Irrit. 2, Aquatic Chronic 2; H315 H411		
104-54-1	cinnamyl alcohol		< 1 %
	203-212-3		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317		
106-25-2	2,6-Dimethyl-2,6-octadiene-8-ol		< 1 %
	203-378-7		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B; H315 H319 H317		
1335-66-6	isocyclocitral		< 1 %
	215-638-7		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 3; H315 H319 H317 H412		
112-45-8	Undec-10-enal		< 1 %
	203-973-1		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 3; H315 H319 H317 H412		
23726-91-2	(E)-1-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-buten-1-one		< 1 %
	245-842-1		
	Skin Sens. 1B; H317		

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

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

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

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No 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). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

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

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

6.2. Environmental precautions

Discharge into the environment must be avoided.

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.
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

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

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Wear suitable protective clothing. See section 8.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
Recommended storage temperature: 20°C
Protect against: Light. UV-radiation/sunlight. heat. moisture.

7.3. Specific end use(s)

refer to chapter 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters**Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**Appropriate engineering controls**

Professional:
Provide adequate ventilation.

Protective and hygiene measures

Professional:
Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Professional:
Wear safety glasses; chemical goggles (if splashing is possible). DIN EN 166

Hand protection

Professional:
Wear suitable gloves.
Suitable material:
FKM (fluororubber). - Thickness of glove material: 0,4 mm
Breakthrough time \geq 8 h
Butyl rubber. - Thickness of glove material: 0,5 mm
Breakthrough time \geq 8 h
CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm
Breakthrough time \geq 8 h
NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm
Breakthrough time \geq 8 h
PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm
Breakthrough time \geq 8 h
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Professional:
Suitable protective clothing: Lab apron.
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

Professional:
With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection necessary at:
Generation/formation of aerosols
exceeding exposure limit values
Insufficient ventilation.
Suitable respiratory protective equipment: Combination filtering device (EN 14387) Type: A/P1-3
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Environmental exposure controls

No special precautionary measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	yellowish	
Odour:	characteristic	
pH-Value (at 20 °C):		6

Changes in the physical state

Melting point:		not determined
Initial boiling point and boiling range:		not determined
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
Flash point:		>100 °C
Sustaining combustion:		Not sustaining combustion

Explosive properties

none

Lower explosion limits:		not determined
Upper explosion limits:		not determined
Ignition temperature:		not determined

Auto-ignition temperature

Gas:

not determined

Decomposition temperature:		not determined
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Oxidizing properties

none

Vapour pressure:		not determined
Density (at 20 °C):		1,038 g/cm ³
Water solubility:		easily soluble.

Solubility in other solvents

not determined

Partition coefficient:		not determined
Viscosity / dynamic:		not determined
Viscosity / kinematic:		not determined
Flow time:		not determined
Vapour density:		not determined
Evaporation rate:		not determined
Solvent separation test:		not determined
Solvent content:		not determined

9.2. Other information

Solid content:		not determined
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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
106-22-9	citronellol				
	oral	LD50 mg/kg 3450	Rat.	ECHA Dossier	
	dermal	LD50 mg/kg 2650	Rabbit	ECHA Dossier	
3407-42-9	3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol				
	oral	LD50 mg/kg 5000	Rat	ECHA Dossier	
	dermal	LD50 mg/kg >2000	Rat	ECHA Dossier	
60-12-8	2-phenylethanol				
	oral	LD50 mg/kg 1609	Rat	ECHA Dossier	
	dermal	LD50 mg/kg 2535	Rabbit.	ECHA Dossier	
	inhalative (4 h) aerosol	LC50 mg/l >4,63	Rat	ECHA Dossier	
106-24-1	geraniol				
	oral	LD50 mg/kg 3600	Rat	ECHA Dossier	
	dermal	LD50 mg/kg >5000	Rabbit.	ECHA Dossier	
105-87-3	geranyl acetate				
	oral	LD50 mg/kg 6330	Rat	ECHA Dossier	
	dermal	LD50 mg/kg 5460	Rabbit	ECHA Dossier	
106-25-2	2,6-Dimethyl-2,6-octadiene-8-ol				

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	oral	LD50 mg/kg	4500	Rat.	ECHA Dossier	
	dermal	LD50 mg/kg	5000	Rabbit.	ECHA Dossier	

Irritation and corrosivity

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

Sensitising effects

May cause an allergic skin reaction. (citronellol; geraniol; geranyl acetate; cinnamyl alcohol; 2,6-Dimethyl-2,6-octadiene-8-ol; isocyclocitral; Undec-10-enal; (E)-1-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2-buten-1-one)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

SECTION 12: Ecological information
12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
106-22-9	citronellol					
	Acute fish toxicity	LC50 mg/l	14,66	96 h	Leuciscus idus (golden orfe)	ECHA Dossier
	Acute algae toxicity	ErC50	2,4 mg/l	72 h	Scenedesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	17,5	48 h	Daphnia magna	ECHA Dossier
60-12-8	2-phenylethanol					
	Acute fish toxicity	LC50 mg/l	>215	96 h	Leuciscus idus	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	1300	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	287,17	48 h	Daphnia magna	ECHA Dossier
	Acute bacteria toxicity	(>100 mg/l)		3 h	Activated sludge	ECHA Dossier
106-24-1	geraniol					
	Acute fish toxicity	LC50	22 mg/l	96 h	Brachydanio rerio (zebra-fish)	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	13,1	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	10,8	48 h	Daphnia magna	ECHA Dossier
105-87-3	geranyl acetate					

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	Acute algae toxicity	ErC50 mg/l	(3,72)	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l	(14,1)	48 h	Daphnia magna	ECHA Dossier	
106-25-2	2,6-Dimethyl-2,6-octadiene-8-ol						
	Acute fish toxicity	LC50	(22) mg/l	96 h	Brachydanio rerio (zebra-fish)	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l	(10,8)	48 h	Daphnia magna	ECHA Dossier	
	Acute bacteria toxicity	((70) mg/l)		0,5 h	Activated sludge	ECHA Dossier	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
106-22-9	citronellol			
	EU Directive 79/831/EEC Annex V, part C	90 %	28	ECHA Dossier
	Product is biodegradable.			
3407-42-9	3-(5,5,6-trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol			
	Biodegradation test of a chemical substance	0%	28	ECHA Dossier
	Poorly biodegradable.			
60-12-8	2-phenylethanol			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	100%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
106-24-1	geraniol			
	OECD Guideline 301 A (new version)	90%	3	ECHA Dossier
	Product is biodegradable.			
105-87-3	geranyl acetate			
	EEC Directive 79-831, Annex V, Part C, 5.2	>70%	28	ECHA Dossier
	Product is biodegradable.			
106-25-2	2,6-Dimethyl-2,6-octadiene-8-ol			
	OECD 301A / ISO 7827 / EEC 92/69 annex V, C.4-A	90-100%	3	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-22-9	citronellol	3,41
60-12-8	2-phenylethanol	0,8
106-24-1	geraniol	2,6
105-87-3	geranyl acetate	4,04

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/ waste marking according to EAKV:

Waste disposal number of waste from residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

Waste disposal number of used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

refer to chapter 6-8

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

not relevant

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):	35,22 %
2004/42/EC (VOC):	No information available.
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D):	2 - clearly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

SECTION 16: Other information**Changes**

Rev. 1.0; Initial release: 10.04.2018

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Occupational Safety and Health Administration
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 SARA: Superfund Amendments and Reauthorization Act
 SVHC: substance of very high concern
 TRGS Technische Regeln fuerGefahrstoffe
 TSCA: Toxic Substances Control Act
 VOC: Volatile Organic Compounds
 VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe
 WGK: Wassergefaehrungsklasse

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

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:
 Health hazards: Calculation method.
 Environmental hazards: Calculation method.
 Physical hazards: On basis of test data and / or calculated and / or estimated.

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.)