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

1.1. Product identifier

ClearJet FineArt Aero LowGloss

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

Use of the substance/preparation

Liquid laminate

1.3. Details of the supplier of the safety data sheet

Address

Marabu North America
2460A Remount Road
29406 North Charleston

Information provided by / telephone	Department product safety
E-mail address of person responsible for this SDS	PRSI@marabu.de

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Eye Irrit. 2	H319
STOT SE 3	H336
Aerosol 1	H222
	H229

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Classification	R66
	R67
	Xi, R36
	F+, R12

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Danger

Hazard statements

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains	Acetone;Ethyl acetate;Butanone;n-Butyl acetate
EUH208 Contains	Orange, sweet, ext., May produce an allergic reaction.

Supplemental information

EUH066	Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

Acetone

CAS No.	67-64-1				
EINECS no.	200-662-2				
Concentration	>=	25	<	50	%
Classification	Xi, R36 F, R11 R66 R67				

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

n-Butyl acetate

CAS No.	123-86-4				
EINECS no.	204-658-1				
Registration no.	01-2119485493-29				
Concentration	>=	10	<	20	%
Classification	R10 R66 R67				

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

Flam. Liq. 3	H226
STOT SE 3	H336

Butanone

CAS No.	78-93-3				
EINECS no.	201-159-0				
Registration no.	01-2119457290-43				
Concentration	>=	1	<	10	%
Classification	Xi, R36 F, R11 R66				

R67

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

Eye Irrit. 2	H319
STOT SE 3	H336
Flam. Liq. 2	H225

2-Butoxyethyl acetate

CAS No.	112-07-2				
EINECS no.	203-933-3				
Registration no.	01-2119475112-47				
Concentration	>=	1	<	10	%
Classification	Xn, R20/21/22				

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

Acute Tox. 4	H332
Acute Tox. 4	H312
Acute Tox. 4	H302

Ethyl acetate

CAS No.	141-78-6				
EINECS no.	205-500-4				
Registration no.	01-2119475103-46				
Concentration	>=	1	<	10	%
Classification	Xi, R36 F, R11 R66 R67				

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

Orange, sweet, ext.

CAS No.	8028-48-6				
EINECS no.	232-433-8				
Registration no.	01-2119493353-35-0008				
Concentration	>=	0,1	<	1	%
Classification	R10 Xi, R38 Xi, R43 N, R51/53 Xn, R65				

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

Flam. Liq. 3	H226
Asp. Tox. 1	H304
Skin Irrit. 2	H315
Skin Sens. 1	H317
Aquatic chronic 2	H411

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Summon a doctor immediately.

After skin contact

After contact with skin, wash immediately with plenty of water. Don't use solvents.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

Summon a doctor immediately. Keep at rest. Do NOT induce vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO2, powders, water spray/mist, Not be used for safety reasons: water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2); dense black smoke

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Do not breathe gas/fumes/vapour/spray. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care. Isolate from sources of heat, sparks and open flame. Avoid skin and eye contact. Smoking, eating and drinking shall be

prohibited in application area. Comply with the health and safety at work laws.

Advice on protection against fire and explosion

No special measures required.

Classification of fires / temperature class / Ignition group / Dust explosion class

Temperature class T2

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with national regulation

Further information on storage conditions

Keep away from sources of ignition. Keep container tightly closed, cool and dry. Observe label precautions.

7.3. Specific end use(s)

Spray varnish

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Acetone

List	EH40			
Type	WEL			
Value	1210	mg/m³	500	ppm(V)
Short term exposure limit	3620	mg/m³	1500	ppm(V)

Status: 2011

Ethyl acetate

List	EH40			
Type	WEL			
Value			200	ppm(V)
Short term exposure limit			400	ppm(V)

Status: 2011

2-Methoxy-1-methylethyl acetate

List	EH40			
Type	WEL			
Value	274	mg/m³	50	ppm(V)
Short term exposure limit	548	mg/m³	100	ppm(V)

Skin resorption / sensibilisation: Sk; Status: 2011

Propane

List	EH40
Type	Asphyx

Status: 2002

Butanone

List	EH40			
Type	WEL			
Value	600	mg/m³	200	ppm(V)
Short term exposure limit	899	mg/m³	300	ppm(V)

Skin resorption / sensibilisation: Sk; Status: 2011; Remarks: BMGV

2-Butoxyethyl acetate

List	EH40			
Type	WEL			
Value	133		20	ppm(V)
Short term exposure limit	332		50	ppm(V)

Skin resorption / sensibilisation: Sk; Status: 2011

n-Butyl acetate

List	EH40			
Type	WEL			
Value	724	mg/m³	150	ppm(V)
Short term exposure limit	966	mg/m³	200	ppm(V)

Status: 2011

Derived No/Minimal Effect Levels (DNEL/DMEL)

Acetone

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Concentration	186	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Concentration	2420	mg/cm²

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Concentration	1210	mg/cm²

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Concentration	62	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Concentration	62	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Concentration	200	mg/m³

Ethyl acetate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Concentration	1468	mg/m³

Type of value	Derived No Effect Level (DNEL)
Reference group	Worker
Duration of exposure	Acute
Route of exposure	inhalative

Mode of action	Local effects	
Concentration	1468	g/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
Mode of action	Chronic effects	
Concentration	63	mg/kg
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	734	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	734	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	734	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	734	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	dermal	
Mode of action	Chronic effects	
Concentration	37	mg/kg
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	367	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	oral	
Mode of action	Chronic effects	
Concentration	4,5	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	367	mg/m³

2-Methoxy-1-methylethyl acetate

Reference substance	2-Methoxy-1-methylethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	153,5	mg/kg
Source	Literature value	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	275	mg/m³
Source	Literature value	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	54,8	mg/kg
Source	Literature value	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	33	mg/m³
Source	Literature value	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1,67	mg/kg
Source	Literature value	

2-Butoxyethyl acetate

Reference substance	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
Mode of action	Acute effects	
Concentration	102	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Acute effects	

Concentration	775	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	dermal	
Mode of action	Acute effects	
Concentration	27	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Concentration	499	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	oral	
Mode of action	Acute effects	
Concentration	18	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	166	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	dermal	
Mode of action	Chronic effects	
Concentration	36	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	67	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	oral	
Mode of action	Chronic effects	
Concentration	4,3	mg/kg
Source	Literature value	

	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	dermal	
Mode of action	Chronic effects	
Concentration	102	mg/kg
Source	Literature value	

	2-Butoxyethyl acetate	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	133	mg/kg
Source	Literature value	

n-Butyl acetate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	960	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	960	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	480	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	480	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	859,7	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Short term	

Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	859,7	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	102,34	mg/m³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	102,34	mg/m³

Predicted No Effect Concentration (PNEC)

Acetone

Type of value	PNEC	
Type	Freshwater	
Concentration	10,6	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	1,06	mg/l

Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	21	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	30,4	mg/kg

Type of value	PNEC	
Type	Marine sediment	
Concentration	3,04	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	29,5	mg/kg

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	19,5	mg/l

Ethyl acetate

Type of value	PNEC	
Type	Water	
Concentration	0,26	mg/l

Type of value	PNEC	
Type	Aquatic	
Concentration	0,026	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,34	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,034	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,22	mg/kg

2-Methoxy-1-methylethyl acetate

Reference substance	2-Methoxy-1-methylethyl acetate	
Type of value	PNEC	
Type	Freshwater	
Concentration	0,635	mg/l
Source	Literature value	
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	3,29	mg/kg
Source	Literature value	
Type of value	PNEC	
Type	Soil	
Concentration	0,29	mg/kg
Source	Literature value	
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	100	mg/l
Source	Literature value	
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,329	mg/kg
Source	Literature value	
Type of value	PNEC	
Type	Saltwater	
Concentration	0,0635	mg/l

2-Butoxyethyl acetate

Reference substance	2-Butoxyethyl acetate	
Type of value	PNEC	
Type	Water	
Concentration	0,304	mg/l
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	PNEC	
Type	Aquatic	
Concentration	0,0304	g/l
Source	Literature value	

	2-Butoxyethyl acetate	
Type of value	PNEC	
Type	Sediment	
Concentration	2,03	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,203	mg/kg
Source	Literature value	
	2-Butoxyethyl acetate	
Type of value	PNEC	
Type	Soil	
Concentration	0,68	mg/kg
Source	Literature value	

n-Butyl acetate

Type of value	PNEC	
Type	Freshwater	
Concentration	0,18	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,018	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,981	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,0981	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,0903	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	35,6	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,36	mg/l

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Full mask, filter A

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.
For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

Material thickness	>	0,5	mm
Breakthrough time	<	30	min

The breakthrough time must be greater than the end use time of the product.
The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.
Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Always ensure that gloves are free from defects and that they are stored and used correctly.
The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Safety glasses

Body protection

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Aerosol			
Colour	colourless			
Odour	solvent-like			
Initial boiling point and boiling range				
Value	appr.	56		°C
Pressure		1.013	hPa	
Source	Literature value			
Flash point				
Remarks	Not applicable			
Upper/lower flammability or explosive limits				
Lower explosion limit	appr.	1,2		%(V)
Upper explosion limit	appr.	13		%(V)
Source	Literature value			
Density				
Value	appr.	0,91		g/cm³
Source	calculated value			
Partition coefficient: n-octanol/water				
Remarks	Not applicable			
Ignition temperature				
Value	appr.	420		°C
Source	Literature value			

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE	>	2.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)

Acetone

Species	rat		
LD50		5800	mg/kg

n-Butyl acetate

Species	rat (female)		
LD50		10760	mg/kg
Method	OECD 423		

Acute dermal toxicity

ATE	>	2.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute dermal toxicity (Components)

Acetone

Species	rabbit		
LD50		20000	mg/kg

n-Butyl acetate

Species	Rats (male/female)		
LD50		14112	mg/kg
Method	OECD 402		

Acute inhalational toxicity

ATE	>	20	mg/l
Administration/Form	Vapors		
Method	calculated value (Regulation (EC) No. 1272/2008)		
ATE	>	5	mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute inhalative toxicity (Components)

n-Butyl acetate

Species	Rats (male/female)		
LC50	>	21	mg/l
Duration of exposure		4 h	
Method	OECD 403		

Experience in practice

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation

and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Other information

There are no data available on the mixture itself.
The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

SECTION 12: Ecological information

12.1. Toxicity

General information

There are no data available on the mixture itself.Do not allow to enter drains or water courses.The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details.

12.2. Persistence and degradability

General information

No data available

12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water

Remarks	Not applicable

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses.

Disposal recommendations for packaging

Non-contaminated packages may be recycled.
Not emptied containers are hazardous waste (waste code number 150110).

SECTION 14: Transport information

Land transport ADR/RID

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class	2
Label	2.1
Limited Quantity	1 l
Transport category	2

14.5. Environmental hazards

-

Tunnel restriction code	D

Marine transport IMDG/GGVSee

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class 2.1

14.5. Environmental hazards

no

Air transport ICAO/IATA

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

Class 2.1

14.5. Environmental hazards

-

SECTION 15: Regulatory information

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

Major-accident categories acc. 96/82/EC

Category	8	Extremely flammable	10.000	kg	50.000	kg

VOC

VOC (EU)	26,41	%	240,3	g/l

Other information

The product does not contain substances of very high concern (SVHC).

SECTION 16: Other information

R-phrases listed in Chapter 3

10	Flammable.
11	Highly flammable.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
36	Irritating to eyes.
38	Irritating to skin.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.
The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.
It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.
As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.