

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

### **1.1. Product identifier**

ClearJet FineArtAeroGloss

### **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 PRSI@marabu.de  
for this SDS

## **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.

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**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 not 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.
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**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

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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  $\geq 1$  < 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  $\geq 1$  < 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  $\geq 0,1$  < 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, CO<sub>2</sub>, 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 (CO<sub>2</sub>); 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

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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/m <sup>3</sup>	500	ppm(V)
Short term exposure limit	3620	mg/m <sup>3</sup>	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/m <sup>3</sup>	50	ppm(V)
Short term exposure limit	548	mg/m <sup>3</sup>	100	ppm(V)
Skin resorption / sensibilisation: Sk; Status: 2011				

**Butanone**

List	EH40			
Type	WEL			
Value	600	mg/m <sup>3</sup>	200	ppm(V)
Short term exposure limit	899	mg/m <sup>3</sup>	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			

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Value	724	mg/m <sup>3</sup>	150	ppm(V)
Short term exposure limit	966	mg/m <sup>3</sup>	200	ppm(V)
Status: 2011				

## Propane

List	EH40
Type	Asphyx
Status: 2002	

## 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/cm <sup>2</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Concentration	1210	mg/cm <sup>2</sup>

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/m <sup>3</sup>

### Ethyl acetate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Concentration	1468	mg/m <sup>3</sup>

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

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Mode of action	Local effects	
Concentration	1468	g/m <sup>3</sup>
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/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Route of exposure	inhalative	
Mode of action	Chronic effects	
Concentration	734	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	734	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	734	mg/m <sup>3</sup>
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/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	oral	
Mode of action	Chronic effects	
Concentration	4,5	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	367	mg/m <sup>3</sup>

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**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/m <sup>3</sup>
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/m <sup>3</sup>
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

Type of value	2-Butoxyethyl acetate
Reference group	Derived No Effect Level (DNEL)
Route of exposure	Worker
Mode of action	inhalative
	Acute effects



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

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

Type of value	2-Butoxyethyl acetate	
Reference group	Derived No Effect Level (DNEL)	
Route of exposure	Worker	
Mode of action	inhalative	
Concentration	Chronic effects	
Source	133	mg/kg
	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/m <sup>3</sup>

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/m <sup>3</sup>

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/m <sup>3</sup>

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/m <sup>3</sup>

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/m <sup>3</sup>

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

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Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	859,7	mg/m <sup>3</sup>
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/m <sup>3</sup>
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/m <sup>3</sup>

**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

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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	

Type of value	2-Butoxyethyl acetate	
Type	PNEC	
Type	Aquatic	
Concentration	0,0304	g/l
Source	Literature value	

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Type of value	2-Butoxyethyl acetate	
Type	PNEC	
Concentration	Sediment	
Source	2,03	mg/kg
	Literature value	

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

Type of value	2-Butoxyethyl acetate	
Type	PNEC	
Concentration	Soil	
Source	0,68	mg/kg
	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

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**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
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Breakthrough time	<	30	min
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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**

<b>Form</b>	Aerosol
<b>Colour</b>	colourless
<b>Odour</b>	solvent-like

**Initial boiling point and boiling range**

Value	appr. 56	°C
Pressure	1.013	hPa
Source	Literature value	

**Flash point**

Remarks	Not applicable
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**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/cm <sup>3</sup>
Source	calculated value	

**Partition coefficient: n-octanol/water**

Remarks	Not applicable
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**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

## Safety data sheet in accordance with regulation (EC) No 1907/2006



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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
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## **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 I
Transport category	2

#### **14.5. Environmental hazards**

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Tunnel restriction code	D
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## 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
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#### VOC

VOC (EU)	26,71	%	243,1	g/l
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#### 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.

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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.