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

1.1. Product identifier

PC 71-020 white Part A

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

Identified Uses

SU19	Building and construction work
PC9a	Coatings and paints, thinners, paint removers
ERC10a	Wide dispersive outdoor use of long-life articles and materials with low release
ERC11a	Wide dispersive indoor use of long-life articles and materials with low release
ERC2	Formulation of preparations
AC13-2	Plastic products: Flooring
PROC5	Mixing or blending in batch processes
PROC10	Roller application or brushing
PROC11	Non industrial spraying

Uses advised against

SU0	Other: none

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Melos GmbH
Bismarckstrasse 4-10
49324 Melle

Telephone no.	+49 5422 9447-0
Fax no.	+49 5422 5981
Information provided by / telephone	HAZMAT Officer
E-mail address of person responsible for this SDS	sicherheit@melos-gmbh.com

1.4. Emergency telephone number

NCEC Emergency Telephone Number Germany: +49 89 220 61012 (german, english)
NCEC Emergency Telephone Number : +44 1865 407333 (english)
NCEC Emergency Telephone Number Americas: +1 202 464 2554 (english)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

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

Flam. Liq. 3	H226

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Warning

Hazard statements

H226	Flammable liquid and vapour.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501.1	Dispose of contents/container to industrial incineration plant.

Supplemental information

Labelling according to annex XVII to regulation (EU) No 1907/2006

Not relevant

2.3. Other hazards

May cause sensitization by skin contact.
The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

N-butyl acetate

CAS No.	123-86-4				
EINECS no.	204-658-1				
Registration no.	01-2119485493-29-XXXX				
Concentration	>=	1	<	10	%
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 3		H226		
	STOT SE 3		H336		

2-methoxy-1-methylethyl acetate

CAS No.	108-65-6				
EINECS no.	203-603-9				
Registration no.	01-2119475791-29-XXXX				
Concentration	>=	1	<	10	%
Classification (Regulation (EC) No. 1272/2008)					
	Flam. Liq. 3		H226		
	STOT SE 3		H336		Route of exposure: oral

xylene

CAS No.	1330-20-7
EINECS no.	215-535-7
Registration no.	01-2119488216-32-XXXX

Concentration	>=	1	<	10	%

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

Flam. Liq. 3	H226	
Acute Tox. 4	H312	
Acute Tox. 4	H332	
Asp. Tox. 1	H304	
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
STOT SE 3	H335	
STOT RE 2	H373	

cATpE	dermal	1.100	mg/kg
cATpE	inhalative, Dust/Mist	1,5	mg/l

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C

ethylbenzene

CAS No. 100-41-4

EINECS no. 202-849-4

Registration no. 01-2119489370-35-XXXX

Concentration	>=	1	<	4,4	%

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

Flam. Liq. 2	H225	
Asp. Tox. 1	H304	
Acute Tox. 4	H332	Route of exposure: inhalative
STOT RE 2	H373	Ear
Aquatic Chronic 3	H412	

cATpE	inhalative, Dust/Mist	1,5	mg/l
ATE	inhalative, Vapors	17,8	mg/l

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Take medical treatment.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

The following symptoms may occur: Allergic symptoms

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO2, powders, water spray/mist

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Do not pick up with the help of saw-dust or other combustible substances. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Provide suitable exhaust ventilation at the processing machines. Avoid impact, friction and electro-static loading; risk of ignition! Use explosion-proof apparatus and fittings. Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges. Use explosion-proof equipment/fittings and non-sparking tools. Earthing necessary during loading operations. Avoid impact and friction. Wear shoes with conductive soles. Keep away from combustible material.

7.2. Conditions for safe storage, including any incompatibilities

Storage stability

Storage period up to 6 months

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store with strong oxidizing agents.

Storage classes

Storage class according to TRGS 510 3 Flammable liquid

Further information on storage conditions

Storage only on a drip tray that can hold at least the contents of the largest container. Keep under lock and key or accessible only to specialists or people who are authorized. Keep container tightly closed and dry in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

titanium dioxide

List	GV			
Value	6	mg/m³		

Remarks: som Ti

xylene

Value	109	mg/m³	25	ppm(V)
Short term exposure limit	218	mg/m³	50	ppm(V)

Skin resorption / sensibilisation: Skin; Status: 08/2022; Remarks: short term: 15 minutes average value; GESTIS

xylene

List	IOELV			
Value	221	mg/m³	50	ppm(V)
Short term exposure limit	442	mg/m³	100	ppm(V)

Status: 08/2022; Remarks: short term: 15 minutes average value; Indicative Occupational Exposure Limit Value (IOELV); GESTIS

ethylbenzene

List	GV			
Value	217	mg/m³	50	ppm(V)

Skin resorption / sensibilisation: H; Remarks: EHK

ethylbenzene

List	IOELV			
Type	IOELV			
Value	442	mg/m³	100	ppm(V)
Short term exposure limit	884	mg/m³	200	ppm(V)

Skin resorption / sensibilisation: Sk; Remarks: Skin

2-methoxy-1-methylethyl acetate

List	GV			
Value	275	mg/m³	50	ppm(V)

Skin resorption / sensibilisation: H; Remarks: EH

2-methoxy-1-methylethyl acetate

List	IOELV			
Type	IOELV			
Value	275	mg/m³	50	ppm(V)
Short term exposure limit	550	mg/m³	100	ppm(V)

Skin resorption / sensibilisation: Sk; Remarks: Skin

n-butyl acetate

List	GV			
Value	710	mg/m³	150	ppm(V)

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

xylene

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	77	mg/m³
Source	ECHA	

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	289	mg/m³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	180	mg/kg/d
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	14,8	mg/m³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	108	mg/kg/d
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1,6	mg/kg/d
Source	ECHA	

ethylbenzene

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	77	mg/m³
Source	ECHA	

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	293	mg/m³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	180	mg/kg/d
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	15	mg/m³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	1,6	mg/kg/d
Source	ECHA	

2-methoxy-1-methylethyl acetate

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	ECHA	

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	550	mg/m³

Source	ECHA	
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	796	mg/kg/d
Source	ECHA	
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	33	mg/m³
Source	ECHA	
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	33	mg/m³
Source	ECHA	
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	320	mg/kg/d
Source	ECHA	
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	36	mg/kg/d
Source	ECHA	

N-butyl acetate

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	48	mg/m³
Source	ECHA	
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	600	mg/m³
Source	ECHA	

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	300	mg/m³
Source	ECHA	

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	600	mg/m³
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	7	mg/kg/d
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	11	mg/kg/d
Source	ECHA	

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	12	mg/m³
Source	ECHA	

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	300	mg/m³
Source	ECHA	

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	35,7	mg/m³

Source	ECHA	
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	300	mg/m³
Source	ECHA	
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	3,4	mg/kg/d
Source	ECHA	
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Short term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	6	mg/kg/d
Source	ECHA	
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	Oral and Inhalation	
Mode of action	Systemic effects	
Concentration	2	mg/kg/d
Source	ECHA	
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Short term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	2	mg/kg/d
Source	ECHA	

Predicted No Effect Concentration (PNEC)

xylene

Type of value	PNEC	
Type	Freshwater	
Concentration	327	µg/l
Source	ECHA	
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	327	µg/l
Source	ECHA	
Type of value	PNEC	
Type	Marine	

Concentration	327		µg/l
Source	ECHA		
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	6,58		mg/l
Source	ECHA		
Type of value	PNEC		
Type	Freshwater sediment		
Concentration	12,46		mg/kg
Source	ECHA		
Type of value	PNEC		
Type	Marine sediment		
Concentration	12,46		mg/kg
Source	ECHA		
Type of value	PNEC		
Type	Soil		
Concentration	2,31		mg/kg
Source	ECHA		

ethylbenzene

Type of value	PNEC		
Type	Freshwater		
Concentration	100		µg/l
Source	ECHA		
Type of value	PNEC		
Type	Water (intermittent release)		
Concentration	100		µg/l
Source	ECHA		
Type of value	PNEC		
Type	Marine		
Concentration	10	100	µg/l
Source	ECHA		
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	9,6		mg/l
Source	ECHA		
Type of value	PNEC		
Type	sediment (freshwater)		
Concentration	13,7		mg/kg
Source	ECHA		
Type of value	PNEC		
Type	Marine sediment		
Concentration	1,37		mg/kg
Source	ECHA		
Type of value	PNEC		
Type	Soil		

Concentration	2,68	mg/kg
Source	ECHA	

2-methoxy-1-methylethyl acetate

Type of value	PNEC	
Type	Freshwater	
Concentration	635	µg/l
Source	ECHA	
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	6,35	mg/l
Source	ECHA	
Type of value	PNEC	
Type	Marine	
Concentration	63,5	µg/l
Source	ECHA	
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	100	mg/l
Source	ECHA	
Type of value	PNEC	
Type	sediment (freshwater)	
Concentration	3,29	mg/kg
Source	ECHA	
Type of value	PNEC	
Type	Marine sediment	
Concentration	329	µg/l
Source	ECHA	
Type of value	PNEC	
Type	Soil	
Concentration	0,290	mg/kg
Source	ECHA	
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	100	mg/l
Source	ECHA	

N-butyl acetate

Type of value	PNEC	
Type	Freshwater	
Concentration	180	µg/l
Source	ECHA	
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	360	µg/l
Source	ECHA	
Type of value	PNEC	

Type	Marine	
Concentration	18	µg/l
Source	ECHA	
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	35,6	mg/l
Source	ECHA	
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,981	mg/kg
Source	ECHA	
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,0981	mg/kg
Source	ECHA	
Type of value	PNEC	
Type	Soil	
Concentration	0,0903	mg/kg
Source	ECHA	

8.2. Exposure controls

General protective and hygiene measures

Do not smoke during work time. Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Do not eat or drink during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Respirator System Versaflo, 3M Deutschland GmbH; Versaflo TR-600 with Filter TR-6110E A1P, 3M; or; Serie 7000 EasyLock with filter A1, Moldex

Hand protection

Chemical resistant gloves

Appropriate Material	Butyl rubber
Glove type	Butoject 897, KCL GmbH

Eye protection

Safety glasses with side protection shield; VIPER, Bollé

Body protection

Impermeable protective clothing; Protective Suit 4535, 3M Deutschland GmbH

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	white
Odour	solvent-like

Melting point

Remarks not determined

Freezing point

Remarks	not determined				

Boiling point or initial boiling point and boiling range

Remarks	not determined				

Flammability

evaluation	not determined				

Upper and lower explosive limits

Remarks	not determined				

Flash point

Value		28			°C

Auto-ignition temperature

Remarks	not determined				

Decomposition temperature

Remarks	not determined				

pH value

Remarks	not determined				

Viscosity

dynamic

Value		1200	to	2000	mPa.s
Temperature		22	°C		

Solubility(ies)

Remarks	not determined				

Partition coefficient n-octanol/water (log value)

Remarks	not determined				

Vapour pressure

Remarks	not determined				

Density and/or relative density

Value	appr.	1,4			g/cm³
Temperature		20	°C		
Method	DIN 53597				

Relative vapour density

Remarks	not determined				

9.2. Other information

Odour threshold

Remarks	not determined				

Evaporation rate (ether = 1) :

Remarks	not determined				

Solubility in water

Remarks	not determined				

Explosive properties

evaluation	not determined				

Oxidising properties

Remarks	not determined				

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability
No hazardous reactions known.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

10.4. Conditions to avoid
No hazardous reactions known.

10.5. Incompatible materials
None known

10.6. Hazardous decomposition products
Irritant gases/vapours

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Remarks	not determined

Acute oral toxicity (Components)

xylene

Species	rat (male)		
LD50		3.523	mg/kg
Method	EEC 84/449, B.1		
Source	ECHA		

xylene

Species	rat (female)		
LD50	>	4.000	mg/kg
Method	EEC 84/449, B.1		
Source	ECHA		

ethylbenzene

Species	Rats (male/female)		
LD50	appr.	3.500	mg/kg
Method	Value taken from the literature		
Source	ECHA		

2-methoxy-1-methylethyl acetate

Species	rat		
LD50	>	5000	mg/kg
Method	EPA		
Source	ECHA		

Acute dermal toxicity

ATE	>	10.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute dermal toxicity (Components)

ethylbenzene

Species	rabbit		
LD50	appr.	15.400	mg/kg

Duration of exposure	24	h	
Method	Value taken from the literature		
Source	ECHA		

2-methoxy-1-methylethyl acetate

Species	rat		
LD50	> 5000		mg/kg
Duration of exposure	24	h	
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity

ATE	> 100		mg/l
Administration/Form	Vapors		
Method	calculated value (Regulation (EC) No. 1272/2008)		
ATE	> 20		mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute inhalative toxicity (Components)

xylene

Species	rat (male)		
LC50	29		mg/l
Duration of exposure	4	h	
Administration/Form	Vapors		
Method	Value taken from the literature		
Source	ECHA		

ethylbenzene

Species	rat (male)		
LC50	17,8		mg/l
Duration of exposure	4	h	
Administration/Form	Vapors		
Method	Value taken from the literature		
Source	ECHA		

Skin corrosion/irritation

Remarks not determined

Skin corrosion/irritation (Components)

n-butyl acetate

Species	rabbit		
Duration of exposure	4	h	
Observation Period	10	d	
evaluation	non-irritant		
Method	OECD 404		
Source	ECHA		

Serious eye damage/irritation

Remarks not determined

Serious eye damage/irritation (Components)

n-butyl acetate

Species	rabbit		
Observation Period	14	d	
evaluation	non-irritant		
Method	OECD 405		
Source	ECHA		

Sensitization

Remarks not determined

Sensitization (Components)

2-methoxy-1-methylethyl acetate

Route of exposure	dermal
Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406
Source	ECHA

Subacute, subchronic, chronic toxicity

Remarks	not determined

Subacute, subchronic, chronic toxicity (Components)

xylene

Sub-chronic toxicity			
Route of exposure	oral		
Species	rat (male)		
LOAEL	150		mg/kg/d
Repeated exposure			
Duration of exposure	90	d	
Method	OECD 408		
Source	ECHA		

xylene

Sub-chronic toxicity			
Route of exposure	oral		
Species	rat (female)		
NOAEL	150		mg/kg/d
Repeated exposure			
Duration of exposure	90	d	
Method	OECD 408		
Source	ECHA		

ethylbenzene

Subacute toxicity			
Route of exposure	oral		
Species	Rats (male/female)		
NOAEL	75		mg/kg/d
Repeated exposure			
Duration of exposure	28	d	
Method	OECD 407		
Source	ECHA		

ethylbenzene

Sub-chronic toxicity			
Route of exposure	oral		
Species	Rats (male/female)		
NOAEL	75		mg/kg/d
Repeated exposure			
Duration of exposure	3	Months	
Method	OECD 408		
Source	ECHA		

ethylbenzene

Sub-chronic toxicity			
Route of exposure	inhalative		
Species	Rats (male/female)		
NOAEC	1.000		ppm(V)
Repeated exposure			
Duration of exposure	13	Weeks	
Method	OECD 413		

Source	ECHA			

ethylbenzene

Subacute toxicity				
Route of exposure	inhalative			
Species	Rats (male/female)			
NOAEC		800		ppm(V)
Repeated exposure				
Duration of exposure		4	Weeks	
Method	OECD 412			
Source	ECHA			

ethylbenzene

Chronic toxicity				
Route of exposure	inhalative			
Species	rat (male)			
NOAEC		250		ppm(V)
Repeated exposure				
Duration of exposure		104	Weeks	
Method	OECD 453			
Source	ECHA			

ethylbenzene

Chronic toxicity				
Route of exposure	inhalative			
Species	rat (female)			
LOAEC		75		ppm(V)
Repeated exposure				
Duration of exposure		104	Weeks	
Method	OECD 453			
Source	ECHA			

2-methoxy-1-methylethyl acetate

Subacute toxicity				
Route of exposure	oral			
Species	Rats (male/female)			
NOAEL	>=	1000		mg/kg
Repeated exposure				
Duration of exposure	appr.	44	d	
Method	OECD 422			
Source	ECHA			

Mutagenicity

Remarks not determined

Mutagenicity (Components)

ethylbenzene

Species	mouse lymphoma L5178Y cells			
Dose	<=	1.060	mg/l	
evaluation	No experimental information on genotoxicity in vitro available.			
Method	OECD 476			
Source	ECHA			

ethylbenzene

Route of exposure	oral			
Species	mouse			
Dose	<=	750	mg/kg	
evaluation	No experimental indications on genotoxicity in vivo found.			
Method	OECD 474			
Source	ECHA			

ethylbenzene

Route of exposure	inhalative		
Species	mouse		
Dose	<=	1.000	ppm(V)
Duration of exposure		6	h
evaluation	No experimental indications on genotoxicity in vivo found.		
Method	OECD 486		
Source	ECHA		

2-methoxy-1-methylethyl acetate

Species	Salmonella typhimurium		
evaluation	No experimental information on genotoxicity in vitro available.		
Method	OECD 471		
Source	ECHA		

Reproductive toxicity

Remarks: not determined

Carcinogenicity

Remarks: not determined

Specific Target Organ Toxicity (STOT)

Remarks: not determined

11.2. Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

xylene

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	2,6		mg/l
Duration of exposure	96	h	
Method	OECD 203		
Source	ECHA		

xylene

Species	rainbow trout (Oncorhynchus mykiss)		
NOEC	>	1,3	mg/l
Duration of exposure	56	d	
Source	ECHA		

ethylbenzene

Species	Menidia menidia		
LC50	5,1		mg/l
Duration of exposure	96	h	
Method	EPA		
Source	ECHA		

ethylbenzene

Species	Menidia menidia			
NOEC	3,3			mg/l
Duration of exposure	96	h		
Method	EPA			
Source	ECHA			

2-methoxy-1-methylethyl acetate

Species	rainbow trout (Oncorhynchus mykiss)			
LC50	100		180	mg/l
Duration of exposure	96	h		
Method	OECD 203			
Source	ECHA			

2-methoxy-1-methylethyl acetate

Species	Oryzias latipes			
LC50	63,5			mg/l
Duration of exposure	14	d		
Method	OECD 204			
Source	ECHA			

Daphnia toxicity (Components)

xylene

Species	Daphnia magna			
IC50	1			mg/l
Duration of exposure	24	h		
Method	OECD 202			
Source	ECHA			

xylene

Species	Ceriodaphnia dubia			
NOEC	0,96			mg/l
Duration of exposure	7	d		
Source	ECHA			

ethylbenzene

Species	Americamysis bahia (Mysidopsis bahia)			
LC50	2,6			mg/l
Duration of exposure	96	h		
Method	EPA			
Source	ECHA			

2-methoxy-1-methylethyl acetate

Species	Daphnia magna			
EC50	>	500		mg/l
Duration of exposure	48	h		
Method	EEC 84/449, C.2			
Source	ECHA			

2-methoxy-1-methylethyl acetate

Species	Daphnia magna			
EC50	>	100		mg/l
Duration of exposure	21	d		
Method	OECD 211			
Source	ECHA			

Algae toxicity (Components)

xylene

Species	Raphidocelis subcapitata (formerly Selenastrum capricornutum/Pseudokirchneriella subcapita)			
NOEC	0,44			mg/l

Duration of exposure	73	h			
Method	OECD 201				
Source	ECHA				

xylene

Species	Raphidocelis subcapitata (formerly Selenastrum capricornutum/Pseudokirchneriella subcapita)				
EC10	0,72	to	1,9	mg/l	
Duration of exposure	73	h			
Method	OECD 201				
Source	ECHA				

xylene

Species	Raphidocelis subcapitata (formerly Selenastrum capricornutum/Pseudokirchneriella subcapita)				
EC50	2,2	to	4,36	mg/l	
Duration of exposure	73	h			
Method	OECD 201				
Source	ECHA				

xylene

Species	Raphidocelis subcapitata (formerly Selenastrum capricornutum/Pseudokirchneriella subcapita)				
EC90	4,4	to	10	mg/l	
Duration of exposure	73	h			
Method	OECD 201				
Source	ECHA				

ethylbenzene

Species	Raphidocelis subcapitata (formerly Selenastrum capricornutum/Pseudokirchneriella subcapita)				
EC50	3,6			mg/l	
Duration of exposure	96	h			
Method	EPA				
Source	ECHA				

ethylbenzene

Species	Raphidocelis subcapitata (formerly Selenastrum capricornutum/Pseudokirchneriella subcapita)				
NOEC	3,4			mg/l	
Duration of exposure	96	h			
Method	EPA				
Source	ECHA				

ethylbenzene

Species	Skeletonema costatum				
EC50	7,7			mg/l	
Duration of exposure	96	h			
Method	EPA				
Source	ECHA				

ethylbenzene

Species	Skeletonema costatum				
NOEC	4,5			mg/l	
Duration of exposure	96	h			
Method	EPA				
Source	ECHA				

2-methoxy-1-methylethyl acetate

Species	Pseudokirchneriella subcapitata				
EC50	>	1.000		mg/l	
Duration of exposure	72	h			
Method	OECD 201				

Source	ECHA				

Bacteria toxicity (Components)

xylene

Species	activated sludge				
NOEC		157			mg/l
Duration of exposure		3	h		
Method	OECD 209				
Source	ECHA				

xylene

Species	activated sludge				
EC50	>	157			mg/l
Duration of exposure		3	h		
Method	OECD 209				
Source	ECHA				

12.2. Persistence and degradability

General information

not determined

Biodegradability (Components)

2-methoxy-1-methylethyl acetate

Value		90			%
Duration of test		28	d		
evaluation	Readily eliminable from water				
Method	OECD Guideline 301F				
Source	ECHA				

Ready degradability (Components)

ethylbenzene

Value		70	to	80	%
Duration of test		28	d		
Source	ECHA				

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks	not determined

Octanol/water partition coefficient (log Pow) (Components)

2-methoxy-1-methylethyl acetate

log Pow	1,2		
Temperature	20	°C	
Method	OECD 117		
Source	ECHA		

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 20 01 27* paint, inks, adhesives and resins containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number or ID number	1263	1263	1263
14.2. UN proper shipping name	PAINT	PAINT	PAINT
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		

SECTION 15: Regulatory information

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

Major-accident categories acc. 2012/18/EU

Category	P5c	FLAMMABLE LIQUID	5.000.000	kg	50.000.000	kg

VOC

VOC (EU)	23	%	316,1	g/l

Other regulations, restrictions and prohibition regulations

REGULATION (EC) No. 1907/2006 ANNEX XVII:
Conditions of restriction: Entry 3

Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Flam. Liq. 3	H226	On basis of test data

Hazard statements listed in Chapter 2/3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
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
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
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.