

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

608 - Leather Flex

**Product no.**

00.608

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Plastic, leather and vinyl paint

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

HBC System Smarttool Production ApS

Hobrovej 961-963

9530 Støvring

Denmark

tel:+45 70 22 70 70

**Contact person**

Vibeke Jørgensen

**E-mail**

info@hbc-system.com

**SDS date**

2015-12-15

**SDS Version**

2.0

### 1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Flam. Liq. 2; H225

Repr. 1B; H360

Eye Irrit. 2; H319

Skin Irrit. 2; H315

STOT SE 3; H336

Aquatic Chronic 2; H411

See full text of H-phrases in section 2.2.

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**

Danger

**Hazard statement(s)**

- Highly flammable liquid and vapour. (H225)
- May damage fertility or the unborn child. (H360)
- Causes serious eye irritation. (H319)
- Causes skin irritation. (H315)
- May cause drowsiness or dizziness. (H336)
- Toxic to aquatic life with long lasting effects. (H411)

<b>Safety statement(s)</b>	<b>General Prevention</b>	-
	<b>Response</b>	Obtain special instructions before use. (P201). Use personal protective equipment as required. (P281). IF exposed or concerned: Get medical advice/attention. (P308+P313). If eye irritation persists: Get medical advice/attention. (P337+P313).
	<b>Storage</b>	Store in a well-ventilated place. Keep cool. (P403+P235).
	<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant. (P501).

**Identity of the substances primarily responsible for the major health hazards**

benzylbutylphthalat, toluene

**2.3. Other hazards**

This product contains teratogenic substances, which can cause long-term damage to the human embryo. The product contains substances that can damage the reproductive system. This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

**Additional labelling**

-

**Additional warnings**

-

**VOC**

VOC-MAX: 355 g/l, MAXIMUM VOC CONTENT (B/e): 840 g/l.

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

**3.1/3.2. Substances/Mixtures**

NAME:	NJ TSRN: 8009285004 Polyester Plasticizer
IDENTIFICATION NOS.:	-
CONTENT:	10-15%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Irrit. 2 H315, H319
NAME:	acetone propan-2-one propanone
IDENTIFICATION NOS.:	CAS-no: 67-64-1 EC-no: 200-662-2 REACH-no: 01-2119471330-49 Index-no: 606-001-00-8
CONTENT:	10-15%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066
NOTE:	S
NAME:	benzylbutylphthalat
IDENTIFICATION NOS.:	CAS-no: 85-68-7 EC-no: 201-622-7 Index-no: 607-430-00-3
CONTENT:	10-15%
CLP CLASSIFICATION:	Repr. 1B, Aquatic Chronic 1 H360, H410 (M-chronic = 1)
NAME:	benzyl-3-isobutyryloxy-1-isopropyl-2,2-dimethyl-propyl phthalate
IDENTIFICATION NOS.:	CAS-no: 16883-83-3 EC-no: 240-920-1
CONTENT:	5-10%
CLP CLASSIFICATION:	STOT SE 3, Skin Irrit. 2, Eye Irrit. 2

	H315, H319, H335
NAME:	butanone ethyl methyl ketone
IDENTIFICATION NOS.:	CAS-no: 78-93-3 EC-no: 201-159-0 REACH-no: 01-2119457290-43 Index-no: 606-002-00-3
CONTENT:	5-10%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066
NOTE:	S
NAME:	toluene
IDENTIFICATION NOS.:	CAS-no: 108-88-3 EC-no: 203-625-9 Index-no: 601-021-00-3
CONTENT:	5-10%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT RE 2, STOT SE 3, Skin Irrit. 2, Asp. Tox. 1, Repr. 2 H225, H304, H315, H336, H361, H373
NOTE:	S
NAME:	n-butyl acetate
IDENTIFICATION NOS.:	CAS-no: 123-86-4 EC-no: 204-658-1 REACH-no: 01-2119485493-29 Index-no: 607-025-00-1
CONTENT:	5-10%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3 H226, H336, EUH066
NOTE:	S
NAME:	2-methoxy-1-methylethyl acetate
IDENTIFICATION NOS.:	CAS-no: 108-65-6 EC-no: 203-603-9 REACH-no: 01-2119475791-29-xxxx Index-no: 607-195-00-7
CONTENT:	1-3%
CLP CLASSIFICATION:	Flam. Liq. 3 H226
NOTE:	S

(\*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

S = Organic solvent

### Other informations

ATEmix(oral) > 2000  
 Eye Cat. 2 Sum =  $\sum(Ci/S(G)CLi) = 3,2 - 0$   
 Skin Cat. 2 Sum =  $\sum(Ci/S(G)CLi) = 2,16 - 3,24$   
 N chronic (CAT 2) Sum =  $\sum(Ci/M(chronic))^*25^*0.1^*10^*CATi) = 3,2 - 4,8$

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

#### Inhalation

Get the person into fresh air and stay with them.

#### Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

#### Eye contact

Remove contact lenses. Flush eyes with water (20-30°C) for at least 15 minutes. Call a doctor.

#### Ingestion

In the case of ingestion, contact a doctor immediately and take this safety data sheet or the label from the material with you. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down so that no vomit runs back into the mouth and throat. Prevent shock by keeping the injured person warm and calm. Give mouth-to-mouth resuscitation if breathing stops. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

#### Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

Reproductive toxicity: This product contains teratogenic substances which can do long-term damage to human offspring. The effects on the child can be: death, deformity, delayed development, and functional disorders.

Reproductive toxicity: This product contains substances which can do damage to reproductive capacity, e.g. damage to germ cells or hormonal regulation. The effects can be: sterility, reduced fertility, menstruation disorders, etc.

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc.

Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

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

IF exposed or concerned:

Get immediate medical advice/attention.

##### **Information to medics**

Bring this safety data sheet.

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

#### **5.1. Extinguishing media**

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact.

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

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

Avoid inhalation of vapours from waste material. Avoid direct contact with spilled substances. Stores that have not ignited must be cooled by water mist. Where possible, remove flammable materials. Make sure there is sufficient ventilation.

#### **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental authorities. Consider putting up waste collecting trays/basins to prevent leakage to the surroundings.

#### **6.3. Methods and material for containment and cleaning up**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

#### **6.4. Reference to other sections**

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

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

#### **7.1. Precautions for safe handling**

Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

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

Always store in containers of the same material as the original. Must be stored in a cool and ventilated area, away from possible sources of combustion.

##### **Storage temperature**

No data available.

### 7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

2-methoxy-1-methylethyl acetate (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 274 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 100 ppm | 548 mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin. )

n-butyl acetate (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 150 ppm | 724 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 200 ppm | 966 mg/m<sup>3</sup>

toluene (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 191 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 100 ppm | 384 mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin. )

butanone ethyl methyl ketone (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 200 ppm | 600 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 300 ppm | 899 mg/m<sup>3</sup>

Comments: Sk (Sk = Can be absorbed through skin. )

acetone propan-2-one propanone (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 500 ppm | 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 1500 ppm | 3620 mg/m<sup>3</sup>

#### DNEL / PNEC

DNEL ( acetone propan-2-one propanone ): 186 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( acetone propan-2-one propanone ): 62 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( acetone propan-2-one propanone ): 2420 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL ( acetone propan-2-one propanone ): 1210 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( acetone propan-2-one propanone ): 200 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( acetone propan-2-one propanone ): 62 mg/kg

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( butanone ethyl methyl ketone ): 1161 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( butanone ethyl methyl ketone ): 412 mg/kg

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( butanone ethyl methyl ketone ): 600 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( butanone ethyl methyl ketone ): 106 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( butanone ethyl methyl ketone ): 31 mg/kg

According to EC-Regulation 1907/2006 (REACH)

Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population  
DNEL ( toluene ): 384 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Local effects - Workers

DNEL ( toluene ): 384 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Systemic effects - Workers

DNEL ( toluene ): 192 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Local effects - Workers

DNEL ( toluene ): 384 mg/kg bw/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( toluene ): 226 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Local effects - Workers

DNEL ( toluene ): 226 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Systemic effects - Workers

DNEL ( toluene ): 56,5 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - General population

DNEL ( toluene ): 226 mg/kg bw/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - General population

DNEL ( toluene ): 8,13 mg/kg bw/day  
Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population  
DNEL (n-butyl acetate): 102,34 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (n-butyl acetate): 960 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Local effects - Workers

DNEL (n-butyl acetate): 960 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Systemic effects - Workers

DNEL (n-butyl acetate): 480 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (n-butyl acetate): 480 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Local effects - Workers

DNEL (n-butyl acetate): 859,7 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Systemic effects - General population

DNEL (n-butyl acetate): 102,34 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Local effects - General population

DNEL (n-butyl acetate): 859,7 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Local effects - General population

PNEC ( acetone propan-2-one propanone ): 21 mg/L  
Exposure: Intermittent release

PNEC ( acetone propan-2-one propanone ): 30,4 mg/kg  
Exposure: Freshwater sediment

According to EC-Regulation 1907/2006 (REACH)

PNEC ( acetone propan-2-one propanone ): 3,04 mg/kg  
Exposure: Marine water sediment

PNEC ( acetone propan-2-one propanone ): 33,3 mg/kg  
Exposure: Soil

PNEC ( acetone propan-2-one propanone ): 10,6 mg/kg  
Exposure: Freshwater

PNEC ( acetone propan-2-one propanone ): 1,06 mg/kg  
Exposure: Marine water

PNEC ( butanone ethyl methyl ketone ): 284,7 mg/kg  
Exposure: Freshwater sediment

PNEC ( butanone ethyl methyl ketone ): 22,5 mg/kg  
Exposure: Soil

PNEC ( butanone ethyl methyl ketone ): 55,8 mg/L  
Exposure: Freshwater

PNEC ( butanone ethyl methyl ketone ): 55,8 mg/L  
Exposure: Intermittent release

PNEC ( toluene ): 0,68 mg/L  
Exposure: Freshwater

PNEC ( toluene ): 0,68 mg/L  
Exposure: Marine water

PNEC ( toluene ): 16,39 mg/L  
Exposure: Freshwater sediment

PNEC ( toluene ): 2,89 mg/kg  
Exposure: Soil

PNEC ( toluene ): 13,61 mg/L  
Exposure: Sewage Treatment Plant

PNEC ( n-butyl acetate ): 35,6 mg/L  
Exposure: Sewage Treatment Plant

PNEC ( n-butyl acetate ): 0,18 mg/L  
Exposure: Freshwater

PNEC ( n-butyl acetate ): 0,018 mg/L  
Exposure: Marine water

PNEC ( n-butyl acetate ): 0,36 mg/L  
Exposure: Intermittent release

PNEC ( n-butyl acetate ): 0,981 mg/kg  
Exposure: Freshwater sediment

PNEC ( n-butyl acetate ): 0,0981 mg/kg  
Exposure: Marine water sediment

PNEC ( n-butyl acetate ): 0,09903 mg/kg  
Exposure: Soil

## 8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

### General recommendations

Observe general occupational hygiene.

### Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

### Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

**Appropriate technical measures**

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

**Hygiene measures**

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

**Measures to avoid environmental exposure**

Keep damming materials near the workplace. If possible collect spillage during work.

**Individual protection measures, such as personal protective equipment**



**Generally**

Use only CE marked protective equipment.

**Respiratory Equipment**

If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

**Skin protection**

Special work clothing should be used. When working with this product for a long period of time, use a protective suit.

**Hand protection**

Recommended: Nitrile rubber. Breakthrough time: > 10 minutes (Class 1)

**Eye protection**

Use safety glasses with a side shield.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Form	Colour	Odour	pH	Viscosity	Density (g/cm <sup>3</sup> )
Liquid	-	Characteristic	-	-	-

**Phase changes**

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	55	-

**Data on fire and explosion hazards**

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-18	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

**Solubility**

Solubility in water	n-octanol/water coefficient
Insoluble	-

**9.2. Other information**

Solubility in fat	Additional information
-	N/A

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in the section on "Handling and storage".

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

Avoid static electricity. Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

#### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance	Species	Test	Route of exposure	Result
2-methoxy-1-methylethyl acetat...	Rat	LD50	Oral	8532 mg/kg
2-methoxy-1-methylethyl acetat...	Rabbit	LD50		> 5000 mg/kg
2-methoxy-1-methylethyl acetat...	Guinea pig	LD50	Intraperitoneal	750 mg/kg
n-butyl acetate	Rat	LD50	Oral	10768 g/kg
n-butyl acetate	Rabbit	LD50		> 5000 mg/kg
n-butyl acetate	Rat	LD50	Oral	> 6400 mg/kg
n-butyl acetate	Rat	LC50	Inhalation	2000 ppm
n-butyl acetate	Rat	LC50	Inhalation	21.1 mg/l/4h
toluene	Rat	LD50	Oral	636 mg/kg
toluene	Rabbit	LD50	Dermal	> 5000 mg/kg
toluene	Rat	LC50	Inhalation	28,1 mg/L/4H
butanone ethyl methyl ketone...	Guinea pig	LD50	Inhalation	40 mg/L
butanone ethyl methyl ketone...	Rabbit	LD50		13 g/kg
butanone ethyl methyl ketone...	Rat	LD50	Oral	2737 mg/kg
butanone ethyl methyl ketone...	Guinea pig	LC50	Inhalation	32000 mg/m3
acetone propan-2-one propan...	Rabbit	LD50		> 20 ml/kg
acetone propan-2-one propan...	Rat	LD50		5500 mg/kg
acetone propan-2-one propan...	Rat	LD50	Oral	5800 mg/kg
acetone propan-2-one propan...	Rat	LC50	Inhalation	21,09 ppm/8H

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye irritation.

#### Respiratory or skin sensitisation

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

May damage fertility or the unborn child.

#### STOT-single exposure

May cause drowsiness or dizziness.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Long term effects

Reproductive toxicity: This product contains teratogenic substances which can do long-term damage to human offspring. The effects on the child can be: death, deformity, delayed development, and functional disorders.

Reproductive toxicity: This product contains substances which can do damage to reproductive capacity, e.g. damage to germ cells or hormonal regulation. The effects can be: sterility, reduced fertility, menstruation disorders, etc.

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system.

Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Species	Test	Test duration	Result
2-methoxy-1-methylethyl acetat...	Fish	LC50	96 h	120 ug/L
n-butyl acetate	Daphnia	EC50	24 H	205 mg/L
n-butyl acetate	Fish	LC50	96 H	100 mg/L
n-butyl acetate	Crustacean	LC50	48 h	32000 ug/L
toluene	Daphnia	LC50	48h	3,8 mg/L
toluene	Fish	LC50	96h	5,5 mg/L
toluene	Algae	EC50	72 h	12,5 mg/L
butanone ethyl methyl ketone...	Daphnia	LC50	48 H	5091 mg/L
butanone ethyl methyl ketone...	Fish	LC50	96 H	5600 mg/L
acetone propan-2-one propan...	Algae	EC50	120 H	14444 mg/L
acetone propan-2-one propan...	Crustacean	LC50	48 H	7550 mg/L
acetone propan-2-one propan...	Daphnia	EC50	48 H	13500 mg/L

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
n-butyl acetate	Yes	No data available	No data available
acetone propan-2-one propan...	Yes	No data available	No data available

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
2-methoxy-1-methylethyl acetat...	No	0,56	No data available
n-butyl acetate	No	1,78	No data available
toluene	Yes	2,73	No data available
butanone ethyl methyl ketone...	No	0,29	No data available
acetone propan-2-one propan...	No	-0,24	No data available

### 12.4. Mobility in soil

2-methoxy-1-methylethyl acetat...: Log Koc= 0,521864, Calculated from LogPow (High mobility potential.). n-butyl acetate: Log Koc= 1,487982, Calculated from LogPow (High mobility potential.). toluene : Log Koc= 2,240287, Calculated from LogPow (Moderate mobility potential.). butanone ethyl methyl ketone...: Log Koc= 0,308051, Calculated from LogPow (High mobility potential.). acetone propan-2-one propan...: Log Koc= -0,111656, Calculated from LogPow (High mobility potential.).

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

This product contains ecotoxic substances which can have damaging effects on water-organisms. This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability. This product contains substances which can accumulate in the food chain because they are bioaccumulative substances. Bioaccumulative substances can accumulate in fat tissue and are not easily secreted.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

#### Waste

EWC code

-

#### Specific labelling

-

#### Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## SECTION 14: Transport information

This product is covered by the conventions on dangerous goods.

### 14.1 – 14.4

#### ADR/RID

#### 14.1. UN number

1263

#### 14.2. UN proper shipping name

PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

According to EC-Regulation 1907/2006 (REACH)

<b>14.3. Transport hazard class(es)</b>	3
<b>14.4. Packing group</b>	II
<b>Notes</b>	-
<b>Tunnel restriction code</b>	D/E
<b>IMDG</b>	
<b>UN-no.</b>	1263
<b>Proper Shipping Name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
<b>Class</b>	3
<b>PG*</b>	II
<b>EmS</b>	F-E, S-E
<b>MP**</b>	Yes
<b>Hazardous constituent</b>	-
<b>IATA/ICAO</b>	
<b>UN-no.</b>	1263
<b>Proper Shipping Name</b>	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
<b>Class</b>	3
<b>PG*</b>	II

#### 14.5. Environmental hazards

This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

#### 14.6. Special precautions for user

-

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC. Only for industrial use. Pregnant and nursing women must not be exposed to the effects of this product. The risk, and possible technical precautions or design of the workplace to avoid such risk, must therefore be evaluated.

#### Demands for specific education

-

#### Additional information

#### Sources

COUNCIL DIRECTIVE 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

IDirective 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

EC Regulation 1272/2008 (CLP).

EC regulation 1907/2006 (REACH).

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

**Full text of H-phrases as mentioned in section 3**

- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H360 - May damage fertility or the unborn child.
- H361 - Suspected of damaging fertility or the unborn child.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H410 - Very toxic to aquatic life with long lasting effects.
- EUH066 - Repeated exposure may cause skin dryness or cracking.

**The full text of identified uses as mentioned in section 1**

-

**Other symbols mentioned in section 2**

-

**Other**

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

**The safety data sheet is validated by**

kbb

**Date of last essential change**

**(First cipher in SDS version)**

2015-12-15

**Date of last minor change**

**(Last cipher in SDS version)**

2015-12-15