



# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 2 of 11

### Hazard statements

- |      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation.      |
| H336 | May cause drowsiness or dizziness.  |

### Precautionary statements

- |                |  |
|----------------|--|
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P233           | Keep container tightly closed.   |
| P240           | Ground and bond container and receiving equipment.   |
| P241           | Use explosion-proof electrical/ventilating/lighting equipment.   |
| P242           | Use non-sparking tools.  |
| P243           | Take action to prevent static discharges.  |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.  |
| P271           | Use only outdoors or in a well-ventilated area.  |
| 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.                           |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P312           | Call a POISON CENTER/doctor if you feel unwell.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P235           | Keep cool.   |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations.                              |

### Additional advice on labelling

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 3 of 11

### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
141-78-6	ethyl acetate			20 - 50 %
	205-500-4	607-022-00-5	01-2119475103-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
123-86-4	n-butyl acetate			15 - 30 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
9004-70-0	Nitrocellulose			15 - 25 %
	-			
	Expl. 1.1; H201			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			15 - 25 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

When the first symptoms appear, or in case of doubt seek medical advice.

#### After inhalation

Ensure of fresh air. Get medical attention, if respiratory irritation develops or if breathing becomes difficult. In case of the person being unconscious put him/her in a stable side position.

#### After contact with skin

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

#### After contact with eyes

Remove contact lens. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.

#### After ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Summon a doctor immediately. Do not give neutralising liquids.

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

Following inhalation/eye contact: irritation of the mucous membranes, a numbing effect, impaired reaction times and sense of coordination are possible at high concentrations. Headache, dizziness, nausea, etc. may arise following prolonged inhalation of high vapour concentrations.

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

In case of the person being unconscious summon a doctor immediately.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

#### Unsuitable extinguishing media

Full water jet.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 4 of 11

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

Fire may produce: carbon monoxide and carbon dioxide. Vapours are heavier than air and spread along ground. Flashback at a long distance is possible.

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

Use breathing apparatus with independent air supply.  
Protective suit.

### **Additional information**

The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Risk of bursting of the receptacle. Cool containers at risk with water spray jet. Fire residues and contaminated firefighting 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**

Ensure adequate ventilation. Use personal protective clothing. Get unprotected persons to safety. Keep away from heat and sources of ignition. Avoid contact with the skin and the eyes.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water. Risk of explosion.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Shovel into suitable container for disposal.

Use explosion-proof equipment / fittings and non-sparking tools.

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

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

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

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

#### **Advice on safe handling**

Do not keep containers unlocked. Observe the minimum standards in accordance with TRGS 500. Handle in accordance with the general hygienic rules. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Contaminated work clothing should not be allowed out of the workplace. Avoid formation of Aerosols.

#### **Advice on protection against fire and explosion**

Vapours are heavier than air. In use, may form flammable/explosive vapour-air mixture. Take precautionary measures against static discharges (earthing (grounding) at pouring).

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

#### **Requirements for storage rooms and vessels**

Provide solvent-resistant and impermeable floor. Provide floor with bunding. Prevent penetration into the ground. Store in the original container.

#### **Advice on storage compatibility**

Keep away from food, drink and animal feeding stuffs. Do not store together with oxidizing and self-igniting products.

Do not store with: Medicinal product, Substances which form flammable gases with water, Organic peroxides.

#### **Further information on storage conditions**

Recommended storage temperature: room temperature. (< 20 °C) Keep in a dry, cool place.

### **7.3. Specific end use(s)**

For sealing gypsum dies and placeholders

## **SECTION 8: Exposure controls/personal protection**

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 5 of 11

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over the use of personal protective equipment. Ensure adequate ventilation. Provide sufficient air exchange and/or exhaust in work rooms. Orientating ethanol concentration measurement with detector tubes; e.g. Compur (549 210 type: 104 SA), Dräger (81 01631 type: alcohol/25a), Auer (5085-818 type: ethanol-100).

#### Protective and hygiene measures

Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Take off immediately all contaminated clothing.

#### Eye/face protection

Tightly fitting goggles (EN 166).

#### Hand protection

Protective gloves (EN 374)

Recommended material [thickness, permeation time, type]: protective index 6, corresponding to 480 minutes of permeation time according to EN 374: butyl rubber (Butyl) - = 0.7 mm thickness; i.e. < Butoject 898> made by KCL.

Glove material must be impermeable and resistant against product / substance / preparation. Gloves material should comply with breakthrough times, permeation rates, and degradation. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves. Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration. The exact break through time has to be found out by the manufacturer of the protective gloves.

#### Skin protection

Long sleeved clothing (EN 368). Wear fire retardant protective coveralls. Take precautions against electrostatic discharges.

#### Respiratory protection

If the occupational exposure limit is exceeded, suitable respiratory protection must be worn. ( Gas filter A1 (brown))

#### Environmental exposure controls

Do not empty into drains. Explosion risk.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	Various, depending on coloration
Odour:	Characteristic

#### Test method

pH-Value (at 20 °C):	Not applicable	DIN 19268
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# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 6 of 11

### Changes in the physical state

Melting point:	Not determined
Initial boiling point and boiling range:	(697 hPa) 55 °C
Sublimation point:	Not determined
Softening point:	Not determined
Pour point:	Not determined
Flash point:	-18 °C ISO 1523
Sustaining combustion:	No data available

### Flammability

Solid:	Not determined
Gas:	Not determined

### Explosive properties

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated. Heating will cause pressure rise with risk of bursting.

Lower explosion limits:	1,5 vol. %
Upper explosion limits:	13 vol. %
Ignition temperature:	Not determined

### Auto-ignition temperature

Solid:	Not determined
Gas:	Not determined

Decomposition temperature:	Not determined
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### Oxidizing properties

Not determined

Vapour pressure: (at 20 °C)	2470 hPa berechnet
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Vapour pressure:	Not determined
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Density (at 20 °C):	Not determined
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Bulk density:	Not determined
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Water solubility: (at 20 °C)	Partially miscible
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### Solubility in other solvents

Not determined

Partition coefficient:	Not determined
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Viscosity / dynamic:	Not determined
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Viscosity / kinematic:	Not determined
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Flow time: (at 23 °C)	20 s 4 DIN 53211
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Vapour density:	Not determined
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Evaporation rate:	Not determined
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Solvent separation test:	Not determined
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Solvent content:	> 75%
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### 9.2. Other information

Solid content:	Not determined
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No data available.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 7 of 11

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No decomposition if stored and applied as directed. Heating will cause pressure rise with risk of bursting.

#### 10.2. Chemical stability

Chemically stable.

#### 10.3. Possibility of hazardous reactions

Heating can release vapours which can be ignited.

#### 10.4. Conditions to avoid

Avoid temperatures above 9 °C. In use formation of flammable/explosive vapour-air mixtures possible.

#### 10.5. Incompatible materials

Plastics and rubber are attacked.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
141-78-6	ethyl acetate				
	oral	LD50 mg/kg 5620	Rat		
	dermal	LD50 mg/kg > 18000	Rabbit		
123-86-4	n-butyl acetate				
	oral	LD50 mg/kg 10800	Rat		
	dermal	LD50 mg/kg > 17600	Rabbit		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg 5050	Rat		
	dermal	LD50 mg/kg 12800	Rabbit		

##### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

##### Sensitising effects

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

##### Carcinogenic/mutagenic/toxic effects for reproduction

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

##### STOT-single exposure

May cause drowsiness or dizziness. (ethyl acetate; n-butyl acetate)

##### STOT-repeated exposure

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

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 8 of 11

### Aspiration hazard

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

### Further information

Inhalation of vapours in high concentration can cause narcotic effects. Inhalation causes headache/nausea.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
141-78-6	ethyl acetate					
	Acute fish toxicity	LC50 > 200 mg/l	96 h			
	Acute algae toxicity	ErC50 > 2000 mg/l	96 h			
	Acute crustacea toxicity	EC50 > 150 mg/l	48 h			
123-86-4	n-butyl acetate					
	Acute fish toxicity	LC50 18 - 185 mg/l	96 h		REACH / GESTIS	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h			
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h			

### 12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

### 12.3. Bioaccumulative potential

Not determined

### 12.4. Mobility in soil

Not determined

### 12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

This material and its container must be disposed of as hazardous waste. If recycling is not practicable, dispose of in compliance with local regulations. The waste code number must be agreed with the disposer / manufacturer.

#### Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste



# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 9 of 11

### Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Contaminated packagings are to be treated like the product itself.

Recommended cleaning agent: water with detergents.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** UN 2059  
**14.2. UN proper shipping name:** Nitrocellulose, Solution, flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: D  
Special Provisions: 198 531 640D  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: B

### Inland waterways transport (ADN)

**14.1. UN number:** UN 2059  
**14.2. UN proper shipping name:** Nitrocellulose, Solution, flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: D  
Special Provisions: 198 531 640D  
Limited quantity: 1 L  
Excepted quantity: E0

### Marine transport (IMDG)

**14.1. UN number:** UN 2059  
**14.2. UN proper shipping name:** Nitrocellulose, Solution, flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: 198  
Limited quantity: 1 L

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 10 of 11

Excepted quantity: E0  
EmS: F-E, S-D

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 2059  
**14.2. UN proper shipping name:** Nitrocellulose Solution, flammable  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: A3 A91  
Limited quantity Passenger: 1 L  
Passenger LQ: Y341  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

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

The transport takes place only in approved and appropriate packaging.

## SECTION 15: Regulatory information

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

#### EU regulatory information

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).  
Water contaminating class (D): 1 - slightly water contaminating

#### Additional information

Observe the minimum standards in accordance with TRGS 500.

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Changes

Update 2018

### Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Agreement concerning the international carriage of Dangerous goods by Road)  
IMDG-Code: International Maritime Code for Dangerous Goods  
ICAO: International Civil Aviation Organisation (IATA: The International Air Transport Association)

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Stumpflacke - Spacer

Revision date: 01.02.2018

Product code: 11294-0003

Page 11 of 11

GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS-Nr.: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

### Relevant H and EUH statements (number and full text)

H201	Explosive; mass explosion hazard.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*