

## Safety Data Sheet (1907/2006/EC)

**Material:** VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

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

#### 1.1 Product identifier

**Commercial product name:** VINNOLIT K 704  
**Product identifier:** Vinylchloride/butylacrylate copolymer  
**CAS No.:** 25702-34-5

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

**Use of substance / preparation:**  
 Industrial.  
 Raw material for: PVC processing .  
 This product is a polymer, which is exempted from registration according to (EC) regulation 1907/2006, article 2.

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

**Manufacturer/distributor:** Westlake Vinnolit GmbH & Co. KG  
**Street/POB-No.:** Carl-Zeiss-Ring 25  
**Postal code/city:** 85737 Ismaning  
**Country:** Germany  
**Telephone:** +49 89 96-103-0  
**Telefax:** +49 89 96-103-103  
**Information about the Safety Data Sheet:** Telephone +49 8679 7-5680  
 eMail sdb@westlakevinnolit.com

#### 1.4 Emergency telephone number

**Emergency Information (German):** Plant fire brigade +49 8677 83-2222  
**Emergency Information (internat.):** National Response Center +49 621 60-43333

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008:  
 Not a hazardous substance or mixture.

#### 2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008:  
 No labeling according to GHS required.

#### 2.3 Other hazards

Risk of dust explosion.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

##### 3.1.1 Chemical characteristics

**CAS No.:** 25702-34-5  
 Copolymer of: vinyl chloride + acrylate

##### 3.1.2 Hazardous ingredients

This material does not contain any ingredients above the permitted limit(s).  
 This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above  $\geq 0.1\%$ .

## Safety Data Sheet (1907/2006/EC)

**Material:** VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

**3.2 Mixtures**  
not applicable

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information:**

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

**After contact with the eyes:**

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

**After contact with the skin:**

No special measures required.

**After inhalation:**

Provide fresh air.

**After swallowing:**

No special measures required. In cases of sickness seek medical advice (show label if possible).

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

Any relevant information can be found in other parts of this section.

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

Further toxicology information in section 11 must be observed.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:**

water spray , foam , extinguishing powder , carbon dioxide .

**Extinguishing media which must not be used for safety reasons:**

not applicable

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

Hazardous combustion products: carbon monoxide and hydrogen chloride .

#### 5.3 Advice for firefighters

**Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air.

### SECTION 6: Accidental release measures

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

No special measures required.

#### 6.2 Environmental precautions

No special measures required.

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

Damp down, absorb mechanically and dispose according to local/state/federal regulations.

#### 6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

# Safety Data Sheet (1907/2006/EC)

**Material:** VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**General information:**

No special protective measures required.

**Precautions for safe handling:**

Avoid dust formation. Ensure adequate ventilation.

**Precautions against fire and explosion:**

Observe the general rules of preventive industrial fire protection and dust explosion protection.

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

**Conditions for storage rooms and vessels:**

Observe precautionary measures against dust explosion.

**Advice for storage of incompatible materials:**

Do not store together with combustible substances.

**Further information for storage:**

not applicable

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Maximum airborne concentrations at the workplace:**

Substance	Type	mg/m <sup>3</sup>	ppm	Dust fract.	Fibre/m <sup>3</sup>
Polyvinyl chloride	OEL	4,0		Respirable dust/mist	
Polyvinyl chloride	OEL	10,0		Inhalable dust/mist	

### 8.2 Exposure controls

#### 8.2.1 Exposure in the work place limited and controlled

**General protection and hygiene measures:**

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat, drink or smoke when handling.

**Personal protection equipment:**

**Respiratory protection**

Respirator must be worn if exposed to dust. Filtering half-face mask, according to acknowledged standards such as EN 149. Recommended Filter type: FFP1 or equivalent filter, according to acknowledged standards such as EN 149

**Eye protection**

Recommendation: protective goggles .

**Hand protection**

Protective gloves are not normally required for handling the product.

**Skin protection**

not required .

#### 8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil.

## Safety Data Sheet (1907/2006/EC)

Material: VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

### SECTION 9: Physical and chemical properties

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

Property:	Value:	Method:
<b>Appearance</b>		
Physical state .....	solid	
Form .....	powder	
Colour .....	white	
<b>Odour</b>		
Odour .....	odourless	
<b>Odour limit</b>		
Odour limit .....	not applicable	
<b>pH-Value</b>		
pH-Value .....	Not applicable. Insoluble in water.	
<b>Melting point/freezing point</b>		
Melting point / melting range .....	not applicable	
<b>Initial boiling point and boiling range</b>		
Boiling point / boiling range .....	not applicable	
<b>Flash point</b>		
Flash point .....	not applicable	
<b>Evaporation rate</b>		
Evaporation rate .....	not applicable	
<b>Flammability (deposited dust)</b>		
Auto-ignition temperature .....	140 °C	(VDI 2263 Blatt 1 (sieved < 250 µm))
<b>Upper/lower flammability or explosive limits</b>		
Lower explosion limit (LEL) .....	no data available	
Upper explosion limit (UEL) .....	no data available	
<b>Vapour pressure</b>		
Vapour pressure .....	not applicable	
<b>Solubility(ies)</b>		
Water solubility / miscibility .....	practically insoluble	
<b>Vapour density</b>		
Relative gas/vapour density .....	No data known.	
<b>Relative Density</b>		
Relative Density .....	1,2 (23 °C) (Water / 4 °C = 1,00)	(Lit.)
Density .....	1,2 g/cm <sup>3</sup> (23 °C)	(Lit.)
<b>Partition coefficient: n-octanol/water</b>		
Partition coefficient: n-octanol/water .....	no data available	
<b>Auto-ignition temperature</b>		
Auto-ignition temperature .....	not applicable	
<b>Decomposition temperature</b>		
Thermal decomposition .....	100 °C	
<b>Viscosity</b>		
Viscosity (dynamic) .....	not applicable	
<b>Explosive properties (disturbed dust)</b>		
Dust explosion class .....	St1	
<b>Molecular mass</b>		
Molecular mass .....	no data available	

#### 9.2 Other information

The thermal values only apply to unstabilized poly(vinyl chloride).

### SECTION 10: Stability and reactivity

#### 10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

## Safety Data Sheet (1907/2006/EC)

**Material:** VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

Relevant information can possibly be found in other parts of this section.

### 10.4 Conditions to avoid

Not applicable.

### 10.5 Incompatible materials

Not applicable.

### 10.6 Hazardous decomposition products

If stored and handled properly: none known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### 11.1.1 Acute toxicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.2 Skin corrosion/irritation

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.3 Serious eye damage / eye irritation

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.4 Respiratory or skin sensitization

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.5 Germ cell mutagenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.6 Carcinogenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.7 Reproductive toxicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.8 Specific target organ toxicity (single exposure)

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.9 Specific target organ toxicity (repeated exposure)

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.10 Aspiration hazard

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

## Safety Data Sheet (1907/2006/EC)

**Material:** VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

### 11.1.11 Further toxicological information

By handling the product for many years no damage to health was observed.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Assessment:**

For the product as a whole, no test data is available.

### 12.2 Persistence and degradability

**Assessment:**

Insoluble in water. Not biodegradable.

### 12.3 Bioaccumulative potential

**Assessment:**

No adverse effects expected.

### 12.4 Mobility in soil

**Assessment:**

Insoluble in water.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

none known

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### 13.1.1 Material

**Recommendation:**

Observe local/state/federal regulations.

#### 13.1.2 Uncleaned packaging

**Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.

Observe local/state/federal regulations.

#### 13.1.3 Waste Disposal Legislation Ref.No.(EC)

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

## SECTION 14: Transport information

### 14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

**Road ADR:**

Valuation .....: Not regulated for transport

**Railway RID:**

Valuation .....: Not regulated for transport

**Transport by sea IMDG-Code:**

Valuation .....: Not regulated for transport

## Safety Data Sheet (1907/2006/EC)

**Material:** VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

**Air transport ICAO-TI/IATA-DGR:**

Valuation .....: Not regulated for transport

**14.5 Environmental hazards**

Hazardous to the environment: no

**14.6 Special precautions for user**

Relevant information in other sections has to be considered.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Bulk transport in tankers is not intended.

### SECTION 15: Regulatory information

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

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

**Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):**

Not applicable

**Relevant regulations:**

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999

Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

**Other specifications, restrictions and prohibitions:**

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX I. RESTRICTED EXPLOSIVES PRECURSORS: Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX II. REPORTABLE EXPLOSIVES PRECURSORS: Not applicable

**Details of international registration status**

Relevant information about individual substance inventories, where available, is given below.

Japan .....	: <b>ENCS</b> (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.
Australia .....	: <b>AiIC</b> (Australian Inventory of Industrial Chemicals): This product is listed in, or complies with, the substance inventory.
China.....	: <b>IECSC</b> (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Canada .....	: <b>DSL</b> (Domestic Substance List): This product is listed in, or complies with, the substance inventory.
Philippines.....	: <b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances): This product is not listed or in compliance with the substance inventory.
United States of America (USA).....	: <b>TSCA</b> (Toxic Substance Control Act Chemical Substance Inventory): All components of this product are listed as active or are in compliance with the substance inventory.

## Safety Data Sheet (1907/2006/EC)

**Material:** VINNOLIT K 704

Version: 2.18 (GB)

Date of print: 05.05.2022

Date of last alteration: 05.05.2022

- Taiwan ..... : **TCSI** (Taiwan Chemical Substance Inventory):  
This product is listed in, or complies with, the substance inventory. General note:  
The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed  
or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan  
exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each  
ingredient). It is the duty of the importing/manufacturing legal entity to take care of  
this obligation.
- European Economic Area (EEA)..... : **REACH** (Regulation (EC) No 1907/2006):  
General note: the registration obligations for substances imported into the EEA or  
manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by  
the said supplier. The registration obligations for substances imported into the EEA  
by customers or other downstream users must be fulfilled by the latter.
- South Korea (Republic of Korea) ..... : **AREC** (Act on Registration and Evaluation of Chemicals; "K-REACH"):  
Please approach your regular contact for more detailed information.

### 15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) is not required for this product.

## SECTION 16: Other information

### 16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

### 16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

**- End of Safety Data Sheet -**