

Safety Data Sheet (1907/2006/EC)

Material: VINNOLIT S 4170

Version: 2.2 (GB)

Date of print: 17.12.2012

Date of last alteration: 07.12.2012

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

1.1 Product identifier

Commercial product name: VINNOLIT S 4170

CAS No.: 9002-86-2

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

Industrial.

Use of substance / preparation:
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: 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 7-5860
Telefax +49 8679 7-4002
eMail sdb@vinnolit.com

1.4 Emergency telephone number

Emergency Information: 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 (GHS):

Class	Category	Route of exposure
-	-	

Classification (67/548/EEC, 1999/45/EC):

R-Phrase	Description
R-	-

2.2 Label elements

Labelling (GHS):

H-Code	Hazard Statements
-	-

P-Code	Precautionary Statements
-	-

Labelling (67/548/EEC, 1999/45/EC):

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

Safety Data Sheet (1907/2006/EC)

Material: VINNOLIT S 4170

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2.3 Other hazards
not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

3.1.1 Chemical characteristics

CAS No.	Chemical characteristics
9002-86-2	Polyvinyl chloride

3.2 Mixtures

not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

-

After inhalation:

Provide fresh air.

After contact with the skin:

No special measures required.

After contact with the eyes:

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

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

No data are available.

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.

Safety Data Sheet (1907/2006/EC)

Material: VINNOLIT S 4170

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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

Take up mechanically and dispose of according to local/state/federal regulations.

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:

No special protective measures required.

Precautions against fire and explosion:

Observe the general rules for fire prevention. No danger of dust explosion according to German VDI 2263.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

not applicable

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 are available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	mg/m ³	ppm	Dust fract.	Fibre/m ³
	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

Recommendation in case of dust formation: fine dust mask P1 .

Safety Data Sheet (1907/2006/EC)

Material: VINNOLIT S 4170

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Hand protection

not required .

Eye protection

Recommendation: protective goggles .

Skin protection

not required .

8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information:

Physical state / form: solid - powder
 Colour.....: white
 Odour: odourless

Important information about the protection of health, safety and the environment:

Property:	Value:	Method:
Melting point / melting range	not applicable	
Boiling point / boiling range	not applicable	
Flash point.....	not applicable	
Ignition temperature	> 450 °C	
Lower explosion limit (LEL)	no data available	
Upper explosion limit (UEL).....	no data available	
Vapour pressure.....	not applicable	
Density	approx. 1,4 g/cm ³ at 23 °C	(DIN 53479)
Water solubility / miscibility.....	virtually insoluble	
pH-Value	not applicable	
Distribut. coeff. n-octanol/water	no data available	
Viscosity (dynamic)	not applicable	

9.2 Other information

Thermal decomposition.....: Decomposition begins at 100 °C

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.

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

Safety Data Sheet (1907/2006/EC)

Material: VINNOLIT S 4170

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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.

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:

According to past experience toxicity to fish is improbable.

Safety Data Sheet (1907/2006/EC)

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12.2 Persistence and degradability

Assessment:

Insoluble in water. Biologically not degradable.

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 are available.

12.6 Other adverse effects

none known

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Material

Recommendation:

Can be disposed with domestic waste. 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

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 have to be considered.

Safety Data Sheet (1907/2006/EC)

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14.7 Transport in bulk according to Annex II of MARPOL73/78 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.

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.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

15.3 Other international regulations

Details of international registration status:

Listed on or in accordance with the following inventories:

IECSC - China

EINECS - Europe

ENCS - Japan

PICCS - Philippines

ECL - Korea

TSCA - USA

DSL - Canada

AICS - Australia

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 -