

Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 26.01.2022

Version: 1.0

Product: **WALLTITE PLUS S RESIN**

(ID no. 30796214/SDS_GEN_00/EN)

Date of print 09.06.2022

1. Identification

Product identifier

WALLTITE PLUS S RESIN

Recommended use: polyurethane component, industrial chemicals

Not recommended use: Uses other than recommended

Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Telephone: +49 621 60-0

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 5 (oral)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 1

Aquatic Acute 3

Aquatic Chronic 3

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For the classifications not written out in full in this section the full text can be found in section 16.

Label elements

Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H303	May be harmful if swallowed.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye protection or face protection.
P273	Avoid release to the environment.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards

According to UN GHS criteria

See section 12 - Results of PBT and vPvB assessment.

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

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Chemical nature

Preparation based on: polyol, catalyst, additives

Hazardous ingredients (GHS)

According to UN GHS criteria

Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol

Content (W/W): $\geq 20\%$ - $< 50\%$	Acute Tox. 4 (oral)
CAS Number: 940912-28-7	Skin Corr./Irrit. 2
	Eye Dam./Irrit. 1
	H318, H315, H302

1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 2,2-bis(hydroxymethyl)-1,3-propanediol, 1,2-ethanediol and .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl)

Content (W/W): $\geq 25\%$ - $< 50\%$
CAS Number: 9074-67-3

1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-

Content (W/W): $\geq 5\%$ - $< 15\%$	Press. Gas Liquef. Gas
CAS Number: 102687-65-0	Aquatic Acute 3
	Aquatic Chronic 3
	H280, H402, H412

Tris(2-chloro-1-methylethyl) phosphate

Content (W/W): $\geq 1\%$ - $< 7\%$	Acute Tox. 4 (oral)
CAS Number: 13674-84-5	Aquatic Acute 3
EC-Number: 237-158-7	H302, H402

2,2'-Oxydiethanol

Content (W/W): $\geq 1\%$ - $< 5\%$	Acute Tox. 4 (oral)
CAS Number: 111-46-6	H302
EC-Number: 203-872-2	
INDEX-Number: 603-140-00-6	

2,2'-Dimorpholinyl-diethyl ether

Content (W/W): $> 0,1\%$ - $< 5\%$	Acute Tox. 5 (oral)
CAS Number: 6425-39-4	Acute Tox. 5 (dermal)
EC-Number: 229-194-7	Skin Corr./Irrit. 3
	Eye Dam./Irrit. 2B
	H320, H316, H303 + H313

Bismuth tris(2-ethylhexanoate)

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Content (W/W): $\geq 0,3\%$ - $< 3\%$	Acute Tox. 5 (oral)
CAS Number: 67874-71-9	Repr. 2 (unborn child)
EC-Number: 267-499-7	Skin Corr./Irrit. 2
	Eye Dam./Irrit. 1
	H318, H315, H303, H361

1,2-Dimethylimidazole

Content (W/W): $\geq 0,1\%$ - $< 3\%$	Acute Tox. 4 (oral)
CAS Number: 1739-84-0	Skin Corr./Irrit. 2
EC-Number: 217-101-2	Eye Dam./Irrit. 1
INDEX-Number: 613-034-00-1	Skin Sens. 1B
	Aquatic Acute 3
	H318, H315, H302, H317, H402

Ethylene oxide, polymer with 2,2'-iminodiethanol and propylene oxide

Content (W/W): $> 0\%$ - $< 3\%$	Skin Corr./Irrit. 2
CAS Number: 34354-45-5	Eye Dam./Irrit. 1
	Acute Tox. 4 (oral)
	H318, H315, H302

Ethane-1,2-diol

Content (W/W): $\geq 0,1\%$ - $< 3\%$	Acute Tox. 4 (oral)
CAS Number: 107-21-1	STOT RE (Kidney) 2
EC-Number: 203-473-3	H302, H373
INDEX-Number: 603-027-00-1	

Formaldehyde

Content (W/W): $\geq 0\%$ - $< 0,1\%$	Flam. Liq. 4
CAS Number: 50-00-0	Acute Tox. 2 (Inhalation - vapour)
EC-Number: 200-001-8	Acute Tox. 3 (oral)
INDEX-Number: 605-001-00-5	Acute Tox. 3 (dermal)
	Skin Corr./Irrit. 1B
	Eye Dam./Irrit. 1
	Skin Sens. 1A
	Muta. 2
	Carc. 1B
	Aquatic Acute 2
	H227, H330, H317, H350, H341, H314, H301 + H311, H401

Specific concentration limit:

Skin Corr./Irrit. 1B: $\geq 25\%$
Skin Sens. 1: $\geq 0,2\%$
Skin Corr./Irrit. 2: $5 - < 25\%$
STOT SE 3, irr. to respiratory syst.: $\geq 5\%$
Eye Dam./Irrit. 2: $5 - < 25\%$

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200 - 300 ml water, do not induce vomiting, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: Symptoms can appear later.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture

Carbon dioxide, Carbon monoxide, nitrogen oxides
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

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Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Environmental precautions

Do not empty into drains. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of contaminated material as prescribed.

7. Handling and Storage

Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Protect against moisture.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Suitable materials for containers: Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2)

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

107-21-1: Ethane-1,2-diol

111-46-6: 2,2'-Oxydiethanol

112-60-7: 3,6,9-Trioxaundecane-1,11-diol

64742-47-8: Distillates (petroleum), hydrotreated light

Exposure controls

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

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Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact
(Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to
EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Standard work clothes and shoes.

General safety and hygiene measures

Wearing of closed work clothing is required additionally to the stated personal protection equipment.

When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid	
Colour:	brown	
Odour:	amine-like	
Odour threshold:	No applicable information available.	
pH value:	>= 7,0	
Freezing point:	0,00 °C	
Melting point:	No data available.	
Boiling point:	> 100,00 °C	
Sublimation point:	No applicable information available.	
Flash point:	> 200,00 °F > 93,3 °C	(closed cup) (closed cup)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Flammability:	not flammable	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	> 250 °C	
Vapour pressure:	< 0,1 hPa (25 °C)	
Density:	1,1800 g/cm ³ (20,00 °C)	
Relative density:	No applicable information available.	

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Relative vapour density (air): No applicable information available.
Solubility in water: slightly soluble
Solubility (qualitative) : No applicable information available.
Solubility (quantitative) : No applicable information available.
Partitioning coefficient n-octanol/water (log Kow): Unspecified
Self ignition: not self-igniting
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic: 760,000 mPa.s
(25,00 °C)
Viscosity, kinematic: No applicable information available.
Fire promoting properties: Not an oxidizer.

Other information

Self heating ability: not applicable, the product is a liquid

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

Temperature: < 0 °C

Incompatible materials

Substances to avoid:

acids, oxidizing agents, isocyanates

Hazardous decomposition products

:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:
Of low toxicity after single ingestion.

Experimental/calculated data:
ATE (oral): 2.764 mg/kg
The product has not been tested. The statement has been derived from the properties of the individual components.

(by inhalation): No applicable information available.

(dermal): No applicable information available.

Information on: 2,2'-Oxydiethanol

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Information on: Tris(2-chloro-1-methylethyl) phosphate

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Information on: Ethylene oxide, polymer with 2,2'-iminodiethanol and propylene oxide

Information on: Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol-----

Irritation

Assessment of irritating effects:
Skin contact causes irritation. May cause severe damage to the eyes.

Respiratory/Skin sensitization

Assessment of sensitization:
The chemical structure does not suggest a sensitizing effect. No applicable information available.

Germ cell mutagenicity

Assessment of mutagenicity:
The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Carcinogenicity

Assessment of carcinogenicity:
The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Reproductive toxicity

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Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Origin of data: expert judgement

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated oral uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Poorly biodegradable.

Elimination information:

Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:

Does not significantly accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments:

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Adsorption in soil: Adsorption to solid soil phase is not expected.

Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Additional information

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

Other ecotoxicological advice:
The product has not been tested. Do not discharge product into the environment without control.

13. Disposal Considerations

Waste treatment methods

Incinerate in suitable incineration plant, observing local authority regulations.
Dispose of isocyanate waste in dry containers and never mix together with other wastes (reaction, dangerous pressure build up).

Waste key:
07 02 08 other still bottoms and reaction residues

Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

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UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

15. Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Press. Gas	Gases under pressure
Repr.	Reproductive toxicity
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity — repeated exposure
Flam. Liq.	Flammable liquids
Muta.	Germ cell mutagenicity
Carc.	Carcinogenicity
STOT SE	Specific target organ toxicity — single exposure
H318	Causes serious eye damage.
H315	Causes skin irritation.
H302	Harmful if swallowed.
H280	Contains gas under pressure; may explode if heated.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H320	Causes eye irritation.
H316	Causes mild skin irritation.
H303 + H313	May be harmful if swallowed or in contact with skin
H303	May be harmful if swallowed.
H361	Suspected of damaging the unborn child.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs (Kidney) through prolonged or repeated exposure.
H227	Combustible liquid.

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H330	Fatal if inhaled.
H350	May cause cancer.
H341	Suspected of causing genetic defects.
H314	Causes severe skin burns and eye damage.
H301 + H311	Toxic if swallowed or in contact with skin
H401	Toxic to aquatic life.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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