

# Safety Data Sheet

## WALLTITE® MAX RESIN

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### 1. Identification

#### Product identifier used on the label

## WALLTITE® MAX RESIN

#### Recommended use of the chemical and restriction on use

Recommended use\*: polyurethane component; industrial chemicals  
Suitable for use in industrial sector: Polymers industry; chemical industry  
Unsuitable for use: Uses other than recommended

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

Company:  
BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: resin  
Synonyms: Urethane System Resin Component

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### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Corr./Irrit.	2	Skin corrosion/irritation
Skin Sens.	1	Skin sensitization
Repr.	2 (fertility)	Reproductive toxicity

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Repr. 2 (unborn child) Reproductive toxicity

### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H361 Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
P261 Avoid breathing mist or vapour or spray.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
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.  
P333 + P313 If skin irritation or rash occurs: Get medical attention.  
P308 + P313 IF exposed or concerned: Get medical attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

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

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CAS Number: 940912-28-7  
Content (W/W):  $\geq 15.0 - < 25.0\%$   
Synonym: (POLYMER) Oxirane, 2-methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-branched nonylphenol

#### Halogenated hydrocarbon

CAS Number: Trade Secret  
Content (W/W):  $\geq 10.0 - < 15.0\%$   
Synonym: No data available.

#### Alkyl halide Phosphate

CAS Number: Trade Secret  
Content (W/W):  $\geq 3.0 - < 7.0\%$   
Synonym: No data available.

#### Alkylenediamine polymer with alkoxides

CAS Number: Trade Secret  
Content (W/W):  $\geq 1.0 - < 5.0\%$   
Synonym: No data available.

#### Hydroxyalkyl ether

CAS Number: Trade Secret  
Content (W/W):  $\geq 0.3 - < 3.0\%$   
Synonym: No data available.

#### Morpholine derivative

CAS Number: Trade Secret  
Content (W/W):  $\geq 1.0 - < 5.0\%$   
Synonym: No data available.

#### Hexanoic acid, 2-ethyl-, bismuth(3+) salt

CAS Number: 67874-71-9  
Content (W/W):  $\geq 1.0 - < 3.0\%$   
Synonym: No data available.

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

CAS Number: 34354-45-5  
Content (W/W):  $> 0.0 - < 3.0\%$   
Synonym: (POLYMER) Ethylene oxide, polymer with 2,2'-iminodiethanol and propylene oxide

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## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

#### If on skin:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

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### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Remove contact lenses, if present. Immediate medical attention required.

### If swallowed:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

### 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., corneal injury, skin irritation, Skin contact may provoke the following symptoms:, allergic symptoms

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

*Symptoms: Ingestion may cause gastrointestinal irritation with nausea, vomiting and diarrhea., skin irritation, corneal injury*

*Information on: Alkylenediamine polymer with alkoxides*

*Symptoms: No data available.*

*Information on: Morpholine derivative*

*Symptoms: Overexposure may cause:, Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

*Information on: Hexanoic acid, 2-ethyl-, bismuth(3+) salt*

*Symptoms: Overexposure may cause:, corneal injury, skin corrosion, severe pain, coughing, respiratory disorders, dyspnea, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

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

*Symptoms: skin irritation, corneal injury, Ingestion may cause gastrointestinal irritation with nausea, vomiting and diarrhea.*

*Information on: Hydroxyalkyl ether*

*Symptoms: Overexposure may cause:, vomiting, coma, abdominal cramps, lethargy, nausea, diarrhea, headache*

*Information on: Alkyl halide Phosphate*

*Symptoms: Overexposure may cause:, convulsions, depression, hypoxemia, tremors*

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Hazards: Symptoms can appear later.

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

#### Note to physician

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

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### 5. Fire-Fighting Measures

#### Extinguishing media

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

Unsuitable extinguishing media for safety reasons:  
water jet

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

Hazards during fire-fighting:  
No particular hazards known.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### Further information:

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

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### 6. Accidental release measures

Further accidental release measures:  
High risk of slipping due to leakage/spillage of product.

#### 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

Spills should be contained, solidified, and placed in suitable containers for disposal.

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### 7. Handling and Storage

#### Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Avoid inhalation of mists/vapours. When using do not eat, drink or smoke. Wear suitable gloves and eye/face protection. 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.

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Storage stability:  
Storage temperature: 16 - 27 °C  
Protect against moisture.  
The stated storage temperature is noted for health and safety in the workplace. With regard to Quality, please refer to the product specific Technical Bulletin.

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### 8. Exposure Controls/Personal Protection

No substance specific occupational exposure limits known.

#### Advice on system design:

Provide local exhaust ventilation to control vapours/mists.

#### Personal protective equipment

##### Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

##### Hand protection:

Chemical resistant protective gloves

##### Eye protection:

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

##### Body protection:

Standard work clothes and shoes.

##### General safety and hygiene measures:

Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately. Do not eat, drink or use tobacco while working. Wash thoroughly after handling.

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### 9. Physical and Chemical Properties

Form:	liquid	
Odour:	amine-like	
Odour threshold:	No applicable information available.	
Colour:	amber	
pH value:	>= 7	
Freezing point:	0.00 °C	
Melting point:	No data available.	
Boiling point:	100.00 °C	
Sublimation point:	No applicable information available.	
Flash point:	> 94.00 °C	(closed cup)
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.	

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Autoignition:	Unspecified
Vapour pressure:	< 0.1 hPa ( 25 °C)
Density:	1.1000 g/cm <sup>3</sup> ( 25.00 °C)
Relative density:	No applicable information available.
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Self-ignition temperature:	not self-igniting
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	700.000 cps ( 23.00 °C)
Viscosity, kinematic:	No applicable information available.
Solubility in water:	partly soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	not applicable
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.
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.

Oxidizing properties:  
not fire-propagating

### 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 degrees Celsius

### Incompatible materials

acids, oxidizing agents, isocyanates

### Hazardous decomposition products

Decomposition products:  
Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

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Thermal decomposition:  
No decomposition if stored and handled as prescribed/indicated.

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Oral

Type of value: ATE

Value: 3,787 mg/kg

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

##### Inhalation

No applicable information available.

##### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

##### Assessment other acute effects

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

##### Irritation / corrosion

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

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

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

*Information on: Alkylenediamine polymer with alkoxides*

*Assessment of irritating effects: May cause slight irritation to the skin. Eye contact causes irritation.*

*Information on: Morpholine derivative*

*Assessment of irritating effects: Eye contact causes irritation. Skin contact causes slight irritation.*

*Information on: Hexanoic acid, 2-ethyl-, bismuth(3+) salt*

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

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



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

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### Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

*Information on: Alkylenediamine polymer with alkoxides*

*Assessment of sensitization:  
sensitizing effect in animal tests*

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### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

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.

*Information on: Hydroxyalkyl ether*

*Assessment of repeated dose toxicity: The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The effects were only observed at doses/concentrations not relevant for classification and/or practical use conditions. These effects are not relevant to humans at occupational levels of exposure.*

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### Genetic toxicity

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

Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect.

*Information on: Hexanoic acid, 2-ethyl-, bismuth(3+) salt*

*Assessment of reproduction toxicity: Based on available data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.*

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### Teratogenicity

Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

*Information on: Hexanoic acid, 2-ethyl-, bismuth(3+) salt*

*Assessment of teratogenicity: Indications of possible developmental toxicity/teratogenicity were seen in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.*

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### Other Information

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

### Medical conditions aggravated by overexposure

Individuals with allergic history or pre-existing dermatitis should use extra precautions when handling this product. The substance may cause sensitization of the skin in particularly sensitive individuals.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

##### Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. 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

Adsorption to solid soil phase is not expected.

### 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.

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## 13. Disposal considerations

### Waste disposal of substance:

Do not discharge substance/product into sewer system. Incinerate or dispose of in a licensed facility.

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### Container disposal:

Do not reuse empty containers. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove.

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## 14. Transport Information

### Land transport

USDOT

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

### State regulations

#### State RTK

PA

#### CAS Number

Trade Secret

50-00-0

123-91-1

#### Chemical name

Hydroxyalkyl ether

Formaldehyde

1,4-dioxane

### **Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including ACETALDEHYDE, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **NFPA Hazard codes:**

Health: 3 Fire: 1 Reactivity: 1 Special:

### **HMIS III rating**

Health: 3<sup>+</sup> Flammability: 1 Physical hazard: 1

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## 16. Other Information

SDS Prepared by:

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BASF NA Product Regulations  
SDS Prepared on: 2023/05/28

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END OF DATA SHEET