

## Safety Data Sheet

### POLYBRITE 98

Safety Data Sheet dated: 07/12/2023 - version 3

Date of first edition: 10/14/2020

## 1: Identification

### Product identifier

Mixture identification:

Trade name: POLYBRITE 98

Trade code: 906PB98

### Recommended use and restrictions on use

Recommended use: Acrylic paint

Restrictions on use: Not available

### Supplier's details

Company: Polyglass U.S.A. Inc.

1111 West Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 866-222-9782

Responsible: RDProductSafety@mapei.com

### Emergency phone number

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

## 2. Hazard identification



### Classification of the product

Skin Sensitization, Category 1

May cause an allergic skin reaction.

### Label elements

#### Hazard pictograms and Signal Word



Warning

### Hazard statements

H317 May cause an allergic skin reaction.

### Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P321 Specific treatment (see supplementary instructions on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

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

### Other hazards

None

### Ingredient(s) with unknown acute toxicity

None

## 3. Composition/information on ingredients

### Substances

Not Relevant

### Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

## List of components

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
≥0,1 - <1 %	oxirane, 2-[[3-(diethoxymethylsilyl)propoxy]methyl]-; Diethoxy(3-glycidyloxypropyl)methylsilane	CAS:2897-60-1 EC:220-780-8	Skin Sens. 1, H317	
≥0,1 - <1 %	2,4,7,9-tetramethyl-5-decyne-4,7-diol; Tetramethyl decyne diol	CAS:126-86-3 EC:204-809-1	Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412; Aquatic Acute 3, H402	01-2119954390-39-XXXX

The actual concentration of the components listed above is withheld as a trade secret.

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## 4. First-aid measures

### Description of necessary first-aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.
- If skin irritation or rash occurs: Get medical advice/attention.

In case of eyes contact:

- Wash immediately with water.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

### Most important symptoms/effects, acute and delayed

Not available

### Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

- (see paragraph 4.1)

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## 5. Fire-fighting measures

### Suitable and unsuitable extinguishing media

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

- None in particular.

### Specific hazards arising from the hazardous product

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: Not available
- Explosive properties: Not Relevant
- Oxidizing properties: Not Relevant

### Special protective equipment and precautions for fire-fighters

- Use suitable breathing apparatus.
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Move undamaged containers from immediate hazard area if it can be done safely.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Remove persons to safety.
- Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
- Limit leakages with earth or sand.

### Methods and material for containment and cleaning up

- Suitable material for taking up: absorbing material, organic, sand
- Retain contaminated washing water and dispose it.

## 7. Handling and storage

### Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- Wash skin thoroughly after handling.
- See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

- Store above freezing
- Keep away from food, drink and feed.

#### Incompatible materials:

- None in particular.

#### Instructions as regards storage premises:

- Adequately ventilated premises.

Storage temperature: Not available

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## 8. Exposure controls/personal protection

### Control parameters

No data available

### Appropriate engineering controls

Not available

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye protection:

- Use close fitting safety goggles, don't use eye lens.

#### Protection for skin:

- Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

#### Protection for hands:

- Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:
  - Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .
  - Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .
  - Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .
  - Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .
- Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

#### Respiratory protection:

- Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

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## 9. Physical and chemical properties

### Information on basic physical and chemical properties

- Physical state: Liquid
- Appearance and colour: liquid green
- Odour: mild
- Odour threshold: Not Relevant
- pH: 9.20
- pH (water dispersion, 10%): 8.20
- Melting point / freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point: 100 °C (212 °F)
- Evaporation rate: No data available
- Upper/lower flammability or explosive limits: No data available
- Vapour density: No data available
- Vapour pressure: No data available
- Relative density: 1.09 g/cm<sup>3</sup>
- Solubility in water: easily soluble
- Solubility in oil: No data available
- Partition coefficient (n-octanol/water): No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available

Viscosity: No data available  
Explosive properties: Not Relevant  
Oxidizing properties: Not Relevant  
Solid/gas flammability: Not Relevant

#### Other information

Substance Groups relevant properties Not Relevant  
Miscibility: Not Relevant  
Fat Solubility: Not Relevant  
Conductivity: Not Relevant

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## 10. Stability and reactivity

### Reactivity

No data available

### Chemical stability

Data not available.

### Possibility of hazardous reactions

None.

### Conditions to avoid

No data available

### Incompatible materials

Data not available.

### Hazardous decomposition products

Data not available.

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## 11. Toxicological information

### Information on toxicological effects

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	The product is classified: Skin Sensitization, Category 1(H317)
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

### Toxicological information on main components of the mixture:

oxirane, 2-[[3-(diethoxymethylsilyl)propoxy]methyl]-; Diethoxy(3-glycidyloxypropyl)methylsilane	a) acute toxicity	LD50 Skin Rat > 2000 mg/kg
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2,4,7,9-tetramethyl-5-decyne-4,7-diol;	a) acute toxicity	LD50 Skin Rabbit > 1000 mg/kg
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**Substance(s) listed on the IARC Monographs:**

None

**Substance(s) listed as OSHA Carcinogen(s):**

None

**Substance(s) listed as NIOSH Carcinogen(s):**

None

**Substance(s) listed on the NTP report on Carcinogens:**

None

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**12. Ecological information****Ecotoxicity**

Adopt good working practices, so that the product is not released into the environment.

**List of Eco-Toxicological properties of the product**

Not classified for environmental hazards.

No data available for the product

**List of Eco-Toxicological properties of the components****Component****Ident. Numb.****Ecotox Data**

2,4,7,9-tetramethyl-5-decyne-4,7-diol; Tetramethyl decyne diol

CAS: 126-86-3	-	a) Aquatic acute toxicity : LC50 Fish = 42 mg/L
EINECS: 204-809-1		

a) Aquatic acute toxicity : EC50 Daphnia = 91 mg/L

a) Aquatic acute toxicity : EC50 Algae = 82 mg/L

**Persistence and degradability**

Not available

**Bioaccumulative potential**

Not available

**Mobility in soil**

Not available

**Other adverse effects**

Not available

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**13. Disposal considerations****Safe handling and methods for disposal**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

## Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

## Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

## Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

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**14. Transport information**

Not classified as dangerous in the meaning of transport regulations.

**UN number**

TDG-UN number: Not Applicable  
ADR-UN number: Not Applicable  
DOT-UN Number: Not Applicable  
IATA-Un number: Not Applicable  
IMDG-Un number: Not Applicable

**UN proper shipping name**

TDG-Shipping Name: Not Applicable  
ADR-Shipping Name: Not Applicable  
DOT-Proper Shipping Name: Not Applicable  
IATA-Technical name: Not Applicable  
IMDG-Technical name: Not Applicable

**Transport hazard class(es)**

TDG-Class: Not Applicable  
ADR-Class: Not Applicable  
DOT-Hazard Class: Not Applicable  
IATA-Class: Not Applicable  
IMDG-Class: Not Applicable

**Packing group**

TDG-Packing Group: Not Applicable  
ADR-Packing Group: Not Applicable  
DOT Packing Group: Not Applicable  
IATA-Packing group: Not Applicable  
IMDG-Packing group: Not Applicable

**Environmental hazards**

Marine pollutant: No  
Environmental Pollutant: Not Applicable  
DOT-RQ: No

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

Not Applicable

**Special precautions in connection with transport or conveyance**

TDG:

Not Applicable

Department of Transportation (DOT):

Not Applicable

Road and Rail (ADR-RID) :

Not Applicable

Air (IATA) :

Not Applicable

Sea (IMDG) :

Not Applicable

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**15. Regulatory information**

**Canada - Federal regulations**

**DSL - Domestic Substances List**

**DSL (Domestic Substances List)**

All the substances are listed in the DSL.

**NDSL - Non Domestic Substances List**

**NDSL (Non Domestic Substances List)**

No substances listed

**NPRI - National Pollutant Release Inventory**

**NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

**USA - Federal regulations**

**TSCA - Toxic Substances Control Act**

**TSCA inventory:**

All the components are listed on the TSCA inventory

**TSCA listed substances:**

oxirane, 2-[[3- is listed in TSCA Section 8b

(diethoxymethylsilyl)propoxy]  
methyl]-; Diethoxy(3-  
glycidylxypropyl)methylsilane

2,4,7,9-tetramethyl-5-decyne-4,7- is listed in TSCA Section 8b  
diol; Tetramethyl decyne diol

#### **SARA - Superfund Amendments and Reauthorization Act**

##### **Section 302 - Extremely Hazardous Substances:**

No substances listed

##### **Section 304 - Hazardous substances:**

No substances listed

##### **Section 313 - Toxic chemical list:**

No substances listed

#### **CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

##### **Substance(s) listed under CERCLA:**

No substances listed

#### **CAA - Clean Air Act**

##### **CAA listed substances:**

No substances listed

#### **CWA - Clean Water Act**

##### **CWA listed substances:**

No substances listed

#### **USA - State specific regulations**

##### **California Proposition 65**

##### **Substance(s) listed under California Proposition 65:**

No substances listed

##### **Massachusetts Right to know**

##### **Substance(s) listed under Massachusetts Right to know:**

No substances listed

##### **Pennsylvania Right to know**

##### **Substance(s) listed under Pennsylvania Right to know:**

No substances listed

##### **New Jersey Right to know**

##### **Substance(s) listed under New Jersey Right to know:**

No substances listed

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## **16. Other information**

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Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

<b>Code</b>	<b>Description</b>
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects.

  

<b>Code</b>	<b>Hazard class and hazard category</b>	<b>Description</b>
A.3/1	Eye Dam. 1	Serious eye damage, Category 1
A.4.2/1	Skin Sens. 1	Skin Sensitization, Category 1
CAN-HAE/A3	Aquatic Acute 3	Acute (short-term) aquatic hazard - Category 3
CAN-HAE/C3	Aquatic Chronic 3	Chronic (long-term) aquatic hazard - Category 3

#### **Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
IMDG: International Maritime Code for Dangerous Goods.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
CLP: Classification, Labeling, Packaging.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
INCI: International Nomenclature of Cosmetic Ingredients.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
DNEL: Derived No Effect Level.  
PNEC: Predicted No Effect Concentration.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
WGK: German Water Hazard Class.  
KSt: Explosion coefficient.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION