

According to directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 22-01-2022  
Trade name: Silicone ASSYST W22

Page: Page 1 from 9  
Print date: 20-10-2022

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

### 1.1 Product identification:

Product name: Silicone ASSYST W22

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

Usage: Mould making.  
Uses advised against: Making impressions on the body or for food-related products.

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

Responsible distributor : ASSYST bvba / A.S.O.W. bvba  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
E-mail: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### 1.4 Emergency phone number:

For Belgium: Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.  
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Hazard identification**

### 2.1 Classification of the substance or mixture:

**Classification according to directive (EC) No 1272/2008 and its amendments.**

The product is not classified according to the CLP regulation

### 2.2 Labelling elements:

**Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:** not applicable.

Hazard pictograms: not applicable.

Warning: not applicable.

Hazard statements: not applicable

### 2.3 Other hazards:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **Ecological information:**

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

### **Toxicological information:**

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

According to directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 22-01-2022  
Trade name: Silicone ASSYST W22

Page: Page 2 from 9  
Print date: 20-10-2022

### **SECTION 3: Composition and information on ingredients**

#### **3.2 Mixture:**

<b>Chemical name</b>	<b>Conc.</b>	<b>CAS no. EC no. REACH registration no.</b>	<b>CLP classification</b>
Siloxanes and Silicones, di-Me, hydroxyterminated	45	70131-67-8 615-070-3 -	-
Siloxanes and silicones, di-Me	30	63148-62-9 613-156-5 -	-
Cristobalite	25	14464-46-1 238-455-4 -	STOT RE 2; H373

The verbatim content of the specified instructions on potential hazards can be found in chapter 16.

### **SECTION 4: First aid measures**

#### **4.1 Description of first-aid measures:**

##### **General information:**

Normal use requires no special measures; long-term industrial production, see the following:

##### **After inhalation:**

Administer fresh air; summon doctor in case of complaints.

##### **After skin contact:**

Wash immediately with soap and water and rinse well.

If skin remains irritated, consult a doctor.

##### **After eye contact:**

Rinse the eyes under running water for several minutes while keeping the eye slit open.

If symptoms persist, consult a doctor.

Rinsing time: >15 min.

##### **After swallowing:**

Rinse mouth with water.

Do not induce vomiting and seek medical attention immediately.

#### **4.2 Main acute and delayed symptoms and effects:**

No further relevant information available.

#### **4.3 Indication of immediate medical attention and special treatment required:**

No further relevant information available.

### **SECTION 5: Fire-fighting measures**

#### **5.1 Extinguishing media:**

##### **Suitable extinguishing agents:**

Extinguish with foam, carbon dioxide or dry powder. Water spray.

##### **Unsuitable extinguishing media:**

None known.

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

For further information, see section 10 : "Stability and Reactivity".

#### **5.3 Advice for firefighters:**

##### **Special firefighting procedures:**

Water spray should be used for cooling containers/containers/packaging.

##### **Special protected equipment for firefighters:**

In case of fire, wear self-contained breathing apparatus and full protective clothing.

According to directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 22-01-2022  
Trade name: Silicone ASSYST W22

Page: Page 3 from 9  
Print date: 20-10-2022

## **SECTION 6: Measures in case of accidental release of the substance or mixture**

Normal use requires no special measures; long-term industrial production, see the following:

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

Wear personal protective clothing.

Ensure adequate ventilation.

Particular slip hazard due to the leaked/spilled product.

### **6.2 Environmental precautions:**

Do not release into the substrate/soil.

Do not discharge into sewers/surface water/groundwater.

In case of soil penetration, the competent authority is to be alerted.

In case of penetration into wastewater or sewage, the competent authority should be warned.

Holding back and salvaging the contaminated wash water.

### **6.3 Methods and materials for containment and cleaning:**

Containers/containers with collected spill must be labelled in the prescribed manner with the designation of the contents and the appropriate hazard symbol.

Packaging must remain tightly closed.

Absorb with sand or other inert absorbent material.

To clean the floor and all objects soiled with this material, use a suitable solvent (see also § 9).

Rinse area with abundant water.

Burn in suitable incinerator.

### **Declaration procedures:**

Note: Contaminated surfaces may be slippery.

See Section 13 of the safety data sheet for information on disposal.

### **6.4 Reference to other sections:**

Information on safe use - see chapter 7.

Information on personal protective equipment - see section 8.

Information on salvage - see chapter 13.

## **SECTION 7: Handling and storage:**

Normal use requires no special measures; long-term industrial production, see the following:

### **7.1 Precautions for safe handling of the substance or mixture:**

Keep tanks impermeably sealed.

Ensure good ventilation/exhaustion at workplaces.

### **Information on fire and explosion hazards:**

Take measures against discharge of static electricity.

Keep ignition sources away - no smoking.

Protect against heat.

### **7.2 Conditions for safe storage, including incompatibilities:**

#### **Storage:**

#### **Requirements relative to storage space and tanks:**

Keep only in the original packaging.

Suitable material for storage PE.

#### **Information on joint storage:**

Store separately from oxidising agents.

#### **Further information on storage requirements:**

Keep tanks impermeably sealed.

Store tank in a well-ventilated place.

Store cool and dry in well-sealed containers.

Protect from heat and direct sunlight.

### **7.3 Specific end use:**

see §1.2

No further relevant information available.

According to directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 22-01-2022  
Trade name: Silicone ASSYST W22

Page: Page 4 from 9  
Print date: 20-10-2022

## **SECTION 8: Exposure controls/personal protection measures**

### **8.1 Control parameters:**

#### **Components with limit values that require monitoring at the workplace:**

<b>Chemical name</b>	<b>ACGIH</b>	<b>NIOSH</b>	<b>OSHA</b>
Siloxanes and silicones, di-Me, hydroxy-terminated	N/A	N/A	N/A
Siloxanes and silicones, di-Me	N/A	N/A	N/A
Cristobalite	TLV-TWA 0.025mg/m <sup>3</sup>	REL-TWA 0.05mg/m <sup>3</sup>	PEL-TWA 5mg/m <sup>3</sup>

### **8.2 Exposure control measures:**

#### **Personal protection devices:**

#### **General protection and health measures:**

Special washing, showering and changing facilities are required.  
The usual precautions when handling chemicals should be observed.  
Keep away from food and drink.

#### **Respiratory protection:**

In case of insufficient ventilation, respiratory protection.  
For short or low exposure use respirator; for intensive or long-term exposure use respirator that is independent of the surrounding air.

#### **Hand protection:**

Safety gloves.  
The glove material must be impermeable and resistant to the product / substance / preparation.  
Based on failed tests, no recommendation for glove material for the product/preparation/chemical mixture can be issued.  
Choose glove material taking into account penetration times, degrees of permeation and degradation.

#### **Glove material**

EN374.

Gloves made of PVC.

Nitrile rubber.

Gloves made of rubber.

Gloves made of plastic.

The choice of a suitable glove depends not only on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

As the product is composed of several substances, the durability of the glove materials cannot be calculated in advance and must therefore be tested before use.

#### **Penetration time of glove material**

You can find out the exact penetration time from the glove manufacturer; keep it in mind.

#### **Eye protection:**

EN 166.

Raw fitting safety glasses.

#### **Body protection:**

Wear suitable protective work clothing.

## **SECTION 9: Physical and chemical properties**

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

#### **General data**

#### **Occurrence:**

Shape: Fishy  
Colour: White  
Smell: Vague  
Odour threshold value: No data available.  
pH value: No data available.

#### **State change**

Melting/freezing point: No data available.

According to directive 1907/2006/EC, 2020/878

Version 2.0

Revision date: 22-01-2022

Page: Page 5 from 9

Print date: 20-10-2022

Trade name: Silicone ASSYST W22

Initial boiling point and boiling range:	No data available.
Flash point:	> 100°C (Closed cup)
Flammability (solid, gas):	No data available.
Self-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Self-ignition temperature:	No data available.
Explosive properties:	No data available.
<b>Explosion limits:</b>	
Lower:	No data available.
Upper:	No data available.
Vapour pressure:	No data available.
Density at 20°C:	No data available.
Relative density at 20°C	No data available.
Vapour density	No data available.
Evaporation rate	No data available.
Solubility in/mixability with water:	Insoluble.
Oxidising properties	No data available.
Partition coefficient: n-octanol/water:	No data available.
<b>Viscosity</b>	
Dynamic:	No data available.
Kinematic at 25°C:	No data available.

## 9.2 Other information

No further relevant information available.

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity:

Stable under normal conditions.

### 10.2 Chemical Stability:

Stable

### **Thermal degradation / conditions to be avoided:**

Stable at ambient temperature.

No degradation when used as directed.

### 10.3 Potential Hazardous Reactions:

No dangerous reactions known.

### 10.4 Conditions to avoid:

Extremely high temperatures.

### 10.5 Chemically interacting Materials:

Strong oxidising agents.

### 10.6 Hazardous Decomposition Products:

No data available.

## **SECTION 11: Toxicological information**

Information on likely routes of exposure:

### **Inhalation:**

No effects expected (ingredient-based assessment).

### **Ingestion:**

No effects expected (ingredient-based assessment).

### **Skin contact:**

No effects expected (ingredient-based assessment).

### **Eye contact:**

No effects expected (assessment based on ingredients).

### 11.1 Information on toxicological effects:

According to directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 22-01-2022  
Trade name: Silicone ASSYST W22

Page: Page 6 from 9  
Print date: 20-10-2022

## Acute toxicity

Oral:

Product:

Based on available data, not classified for acute toxicity.

Dermal:

Product:

Based on available data, not classified for acute toxicity.

Inhalation:

Product:

No effects expected (ingredient-based assessment).

## Toxicity on Repeated Administration:

Product:

No effects expected (assessment based on ingredients).

## Skin corrosion/irritation:

Product:

No effects expected (assessment based on ingredients).

## Serious Eye Injury/Eye Irritation:

Product:

No effects expected (ingredient-based assessment).

## Respiratory or skin sensitisation:

Product:

No effects expected (ingredient-based assessment).

## Mutagenicity in Sex Cells:

In vitro:

Product:

No effects expected (ingredient-based assessment).

In vivo:

Product:

No effects expected (ingredient-based assessment).

## Carcinogenicity:

Product:

No effects expected (ingredient-based assessment).

## Reproductive toxicity:

Product:

No effects expected (ingredient-based assessment).

## Reproductive toxicity (fertility):

Product:

No data available.

## Developmental toxicity (Teratogenicity):

Product:

No data available.

## Specific Target Organ Toxicity - Single Exposure:

Product:

No effects expected (ingredient-based assessment).

## Specific Target Organ Toxicity - Repeated Exposure:

Product:

No effects expected (ingredient-based assessment).

## Aspiration hazard:

Product:

No effects expected (ingredient-based assessment).

## Other Harmful Effects:

Not known.

According to directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 22-01-2022  
Trade name: Silicone ASSYST W22

Page: Page 7 from 9  
Print date: 20-10-2022

## 11.2 Information on other hazards

### **Endocrine-disrupting properties**

Product:

Assessment:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

### **Further information**

Product:

Notes:

No data available

## **SECTION 12: Ecological information**

### 12.1 Toxicity:

#### **Acute toxicity:**

Fish:

Product:

No effects expected (ingredient-based assessment).

Aquatic Invertebrates:

Product:

No effects expected (ingredient-based assessment).

#### **Chronic toxicity:**

Fish:

Product:

No effects expected (ingredient-based assessment).

Aquatic Invertebrates:

Product:

No effects expected (assessment based on ingredients).

#### **Toxicity to aquatic plants:**

Product:

No effects expected (assessment based on ingredients).

### 12.2 Persistence and Degradability:

#### **Biodegradation:**

Product:

Not applicable

#### **BOD/COD ratio:**

Product:

No data available.

### 12.3 Bioaccumulation:

The product is not bioaccumulative.

### 12.4 Mobility in soil:

#### **Known or predicted spread across environmental compartments:**

No data available.

### 12.5 Results of PBT and vPvB assessment:

None reported

### 12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

### 12.7 Other Harmful Effects:

According to directive 1907/2006/EC, 2020/878  
Version 2.0 Revision date: 22-01-2022  
Trade name: Silicone ASSYST W22

Page: Page 8 from 9  
Print date: 20-10-2022

Not known.

## **SECTION 13: Disposal instructions**

### **13.1 Waste treatment methods:**

#### **Recommendation:**

Must not be disposed of together with household waste or discharged into the sewer.

#### **Uncleaned packaging:**

#### **Recommendation:**

Waste disposal according to government regulations.

## **SECTION 14: Information relating to transport**

### **14.1 UN number**

The transport of this substance is not subject to regulations.

### **14.2 Proper cargo name according to UN model regulations**

The transport of this substance is not subject to regulations.

### **14.3 Transport hazard class(es)**

The transport of this substance is not subject to regulations.

### **14.4 Packing group**

The transport of this substance is not subject to regulations.

### **14.5 Environmental hazards**

The transport of this substance is not subject to regulations.

### **14.6 Special precautions for the user**

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training;

The transport classification(s) given herein are for information only, and based solely on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary with respect to mode of transport, size of packaging and variations in regional or national regulations.

### **14.7 Sea transport in bulk in accordance with IMO instruments**

Not applicable for product, as delivered.

## **SECTION 15: Statutory information**

### **15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:**

#### **REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):**

Not applicable

#### **REACH - Candidate list of substances of very high concern for authorisation (Article 59):**

Not applicable

#### **Regulation (EC) No 1005/2009 on ozone-depleting substances:**

Not applicable

#### **Regulation (EE) 2019/1021 on persistent organic pollutants (recast):**

Not applicable

#### **Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:**

Not applicable

#### **REACH - List of substances subject to authorisation (Annex XIV):**

Not applicable

#### **REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors.**

The acquisition, introduction, possession or use of the explosives precursor by private individuals is subject to a notification requirement:

Not applicable.

#### **REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors.**

According to directive 1907/2006/EC, 2020/878

Version 2.0

Revision date: 22-01-2022

Page: Page 9 from 9

Print date: 20-10-2022

Trade name: Silicone ASSYST W22

Not applicable.

**Overviews of toxic chemicals and precursor (intermediate) compounds of the International Convention on Chemical Weapons ("International Chemical Weapons Convention (CWC)":**

Not applicable

**Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:**

Not applicable

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

Not applicable

**Other regulations:**

As for the composition of the product, we deliberately do not add any of the substances indicated in European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

The product therefore complies with the said guidelines.

Also, no conflict minerals are deliberately added to the product.

15.2 Chemical safety assessment:

Not applicable.

## **SECTION 16: Other information**

"The data provided in these documents are based on our current knowledge of this product and are given in good faith and to the best of our knowledge. However, these data expressly do not serve as technical specifications and do not imply any guarantee of properties. We do not accept any liability for damages or consequences of any kind or extent, express or implied, that may result from the use of this data. Existing laws, provisions and regulations must be observed by the recipient and user of the product on their own responsibility. They must also satisfy themselves that the product is suitable for the intended application and use."

## **Full text of H-phrases in sections 2 and 3**

H373: May cause damage to organs through prolonged or repeated exposure.

## **Abbreviations and acronyms:**

STOT RE 2: Specific target organ toxicity for repeated exposure - Category 2

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 per cent

LD50: Lethal dose, 50 per cent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative