

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** 532 HeatSil 1000

**Chemical name:** Solvent free high temperature silicone coating

**Other means of identification**

**Recommended use:** Industrial Use

**Recommended restrictions:** None known.

### Manufacturer/Importer/Distributor Information

Company Name : Resimac Ltd  
 Unit B, Park Barn Estate  
 Topcliffe, North Yorkshire, UK  
 YO7 3SE

Telephone : +44 1845 577498

E-mail : info@resimac.co.uk

### Emergency telephone number:

24-Hour Health : +44 1845 577498  
 Emergency

## 2. Hazard(s) identification

### According to Hazardous Product Regulations

#### Physical Hazards

Flammable liquids	Category 3
Eye irritant	Category 2

#### Label Elements

#### Hazard Symbol:



**Signal Word:**

Warning

**Hazard Statement:**

Flammable liquid and vapor.  
 Hazardous to the environment – cat 2  
 Causes eye irritation

**Precautionary Statements**

**Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/eye protection/face protection.

- Response:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do –
- Storage:** Store in a well-ventilated place. Keep cool.
- Disposal:** Dispose of contents/ container to an approved waste disposal plant.

**Other hazards:** None known.

### 3. Composition/information on ingredients

**Chemical name:**  
 Methoxy functional organo polysiloxane

#### Substances

##### Composition information of impurities and stabilizers

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Methanol		67-56-1	0-1%
Tetra-n-butyl titanate		5593-70-4	0-1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

#### Description of necessary first-aid measures

- General information:** Remove contaminated, soaked clothing immediately and dispose of safely.
- Inhalation:** Ensure supply of fresh air. In the event of symptoms seek medical advice.
- Skin Contact:** In case of contact with skin wash off with soap and water. In the event of symptoms seek medical advice.
- Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- Ingestion:** Thoroughly clean the mouth with water In the event of symptoms seek medical advice.
- Personal Protection for First-aid Responders:** Do not inhale explosion and/or combustion gases, Use self-contained breathing apparatus and wear protective suit

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

**Symptoms:** No special hints.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** Full water jet

**Specific hazards arising from the chemical:** In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Vapours may form explosive mixtures with air Cool endangered containers by water spray

**Special protective equipment for fire-fighters:** Do not inhale explosion and/or combustion gases Use self-contained breathing apparatus and wear protective suit

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Keep away sources of ignition. Use personal protective equipment. Ensure adequate ventilation.

**Methods and material for containment and cleaning up:** Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

**Environmental Precautions:** Avoid release to the environment. Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

**7. Handling and storage**

**Precautions for safe handling:** Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary). Wear respiratory protection when spraying.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a cool, well-ventilated place. No special precautions.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Observe national threshold limit values.

**Biological Limit Values**

Observe national threshold limit values.

**Appropriate Engineering Controls**

No data available.

**Individual protection measures, such as personal protective equipment**

**General information:**

no data available.

**Eye/face protection:**

wear eye protection

**Skin Protection**

**Hand Protection:**

material: gloves made of nitrile (NBR) Break-through time: >= 480

**Other:**

protective clothing

**Respiratory Protection:**

in case of formation of vapours/dusts: Short term: filter apparatus, combination filter A-P2

**Hygiene measures:**

wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working.

**9. Physical and chemical properties**

**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	white or opaque grey
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	not measured
<b>pH:</b>	not applicable
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	> 35 °C
<b>Flash Point:</b>	39 °C (DIN EN ISO 2719)
<b>Evaporation Rate:</b>	no data available.
<b>Flammability (solid, gas):</b>	no data available
<b>Flammability Limit - Upper (%):</b>	not measured
<b>Flammability Limit - Lower (%):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Vapor density (air=1):</b>	not measured
<b>Density:</b>	1.49-1.57 g/cm <sup>3</sup> (25 °C) (DIN
<b>Relative density:</b>	no data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	not measured
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Auto-ignition Temperature:</b>	not measured

<b>Decomposition Temperature:</b>	not measured
<b>Kinematic viscosity:</b>	no data available.
<b>Dynamic viscosity:</b>	>25 mPa.s (25 °C, DIN 53019)
<b>Explosive properties:</b>	not explosive; however, the formation of explosive mixtures of vapour and air is possible
<b>Oxidizing properties:</b>	not oxidizing
<b>Other information</b>	
<b>Dust Explosion Limit, Upper:</b>	not measured
<b>Dust Explosion Limit, Lower:</b>	not measured
<b>Minimum ignition temperature:</b>	not measured
<b>Metal Corrosion:</b>	not corrosive to metals
<b>Self Ignition Temperature:</b>	not measured

## 10. Stability and reactivity

<b>Reactivity:</b>	see section "Possibility of hazardous reactions"
<b>Chemical Stability:</b>	the product is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	no hazardous reactions with proper storage and handling.
<b>Conditions to avoid:</b>	humidity
<b>Incompatible Materials:</b>	unknown
<b>Hazardous Decomposition Products:</b>	if in contact with humidity methanol may be built by hydrolysis

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	Relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

## Information on toxicological effects

### Acute toxicity (list all possible routes of exposure)

#### Oral

**Product:** acute toxicity estimate: > 5.000 mg/kg

#### Dermal

**Product:** acute toxicity estimate: > 5.000 mg/kg

#### Inhalation

**Product:** acute toxicity estimate : > 40 mg/l

### Repeated dose toxicity

**Product:** no data available

### Skin Corrosion/Irritation

**Product:** no data available

### Serious Eye Damage/Eye Irritation

**Product:** no data available.

### Respiratory or Skin Sensitization

**Product:** no data available

### Carcinogenicity

**Product:** no data available.

### Germ Cell Mutagenicity

#### In vitro

**Product:** no data available.

#### Specified substance(s):

Methanol bacterial reverse mutation assay (e.g. Ames test) (OECD 471): negative  
 gene mutation (OECD 476): negative

#### In vivo

**Product:** no data available.

#### Specified substance(s):

Methanol micronucleus test (OECD 474) Intraperitoneal injection (Mouse): negative

### Reproductive toxicity

**Product:** no data available.

### Specific Target Organ Toxicity - Single Exposure

**Product:** no data available

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** no data available

**Aspiration Hazard**

**Product:** no data available.

**Other effects:**

proper use provided, no adverse health effects have been observed or have been come to our knowledge.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** no data available.

**Aquatic Invertebrates**

**Product:** no data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** no data available.

**Aquatic Invertebrates**

**Product:** no data available.

**Toxicity to Aquatic Plants**

**Product:** no data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** no data available.

**BOD/COD Ratio**

**Product:** no data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** no data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** Log Kow: not measured

**Mobility in soil:**

no data available.

**Known or predicted distribution to environmental compartments**

Methanol no data available.

**Other adverse effects:**

the product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV). Do not allow to enter soil, waterways or waste water canal.

**13. Disposal considerations**

**Disposal methods:** in accordance with local authority regulations, take to special waste incineration plant

**Contaminated Packaging:** if empty, contaminated containers are recycled or disposed of. The receiver must be informed about possible hazards.

**14. Transport information**

**International Regulations**

**IATA-DGR**

UN/ID No. : UN 1263  
 Proper shipping name : PAINT  
 Class : 3  
 Packing group : III  
 Labels : 3  
 Packing instruction (cargo aircraft) : 303  
 Packing instruction (passenger aircraft) : 302

**IMDG-Code**

UN number : UN 1263  
 Proper shipping name : PAINT  
 Class : 3  
 Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-E  
 Marine pollutant : Yes  
 Remarks : Stowage category A

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

Not applicable for product as supplied.

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**15. Regulatory information**

**All ingredients registered under REACH and comply with TSCA**

**16. Other information, including date of preparation or last revision**

**Issue Date:** 23.09.2019

**Revision Date:** not applicable

**Version #:** 1.0

**Further Information:** not applicable

**Revision Information:** This version is the first version.



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