



## PRODUCT SAFETY DATA SHEET

### Moldsil Base

#### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

**Trade name:** Moldsil Base  
**Company:** Replication Technologies Ltd  
Unit 38, Hillgrove Business Park  
Nazeing Road  
Nazeing, Waltham Abbey  
Essex  
EN9 2HB

**Service:** Tel: 01992 892 894  
Fax: 01992 892 901

**Emergency Phone Number:** 07785 972 461

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization:** Silicone elastomer

**Hazardous Ingredients:**

Name	CAS-No.	EINECS/ ELINCS No.	Conc. (% w/w)	Classification
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No hazardous ingredients.

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#### 3. HAZARDS IDENTIFICATION

Not hazardous according to Council Directive 1999/45/EC and its subsequent amendments.

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#### 4. FIRST AID MEASURES

**On contact with eyes:** No first aid should be needed.

**On skin contact:** No first aid should be needed.

**If inhaled:** No first aid should be needed.

**On ingestion:** No first aid should be needed.

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#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media :** Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool

fire exposed containers.

<b>Unsuitable extinguishing Media</b>	:	None known.
<b>Hazards during fire fighting</b>	:	None known.
<b>Special protective equipment/procedures</b>	:	A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.
<b>Hazardous Combustion Products</b>	:	Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

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## **6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	:	Wear proper protective equipment.
<b>Precautions to protect the environment</b>	:	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
<b>Methods for cleaning up</b>	:	Determine the need to evacuate or isolate the area according to your local emergency plan. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

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## **7. HANDLING AND STORAGE**

<b>Advice on safe handling</b>	:	Avoid eye contact. General ventilation is recommended.
<b>Advice on storage</b>	:	Do not store with oxidizing agents.
<b>Specific uses</b>	:	Refer to technical data sheet available on request.
<b>Unsuitable packaging materials</b>	:	None known.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls** : Ventilation : Refer to Section 7

### **Exposure controls for hazardous components**

<b>Name</b>	<b>CAS-No.</b>	<b>Exposure Limits</b>
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None of the components have assigned exposure limits.

### **Personal protection equipment**

<b>Respiratory protection circumstances</b>	:	A suitable respirator must be worn if the product is used in any where an aerosol or mist may be generated, such as during spraying or similar activities.
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<b>Hand protection</b>	:	Gloves are not normally required.
<b>Eye protection</b>	:	Safety glasses should be worn.
<b>Skin protection</b>	:	Protective equipment is not normally necessary.
<b>Hygiene measures</b>	:	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
<b>Environmental exposure Controls</b>	:	Refer to section 6 and 12.
<b>Additional information</b> temperature	:	These precautions are for room temperature handling. Use at elevated  Or aerosol/spray applications may require added precautions. For further Information regarding the use of silicones in consumer aerosol applications, please refer to the guidance document regarding the use of silicone-based materials in consumer aerosol applications that has been developed by the silicone industry ( <a href="http://www.SEHSC.com">www.SEHSC.com</a> ) or contact Replication Technologies Ltd.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance**

**Form:** Viscous Liquid      **Colour:** Off-White      **Odour:** None

### **Other data**

**Boiling point/range** : > 65°C  
**Flash point** : > 100 °C (Closed Cup)  
**Autoignition temperature** : > 300 °C  
**Explosive properties** : No  
**Specific Gravity** : 1.213  
**Viscosity** : 34,000 mPa s at 25°C.  
**Oxidizing properties** : No

The above information is not intended for use in preparing product specifications. Contact Replication Technologies Ltd before writing specifications.

## **10. STABILITY AND REACTIVITY**

**Stability** : Stable under normal usage conditions.  
**Conditions to avoid** : None established.  
**Materials to avoid** : Can react with strong oxidising agents.  
**Hazardous decomposition products** : See section 11.

## **11. TOXICOLOGICAL INFORMATION**

**On contact with eyes** : May cause temporary discomfort.  
**On skin contact** : No adverse effects are normally expected.  
**If inhaled** : No adverse effects are normally expected.

**On ingestion** : No adverse effects are normally expected.

**Other Health Hazard Information** : Product may emit formaldehyde vapours at temperatures above 150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentration less than one part per million (1 ppm).  
This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

<sup>1</sup> Based on product test data.

<sup>2</sup> Based on test data from similar products.

<sup>3</sup> This information is based either on test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

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## **12. ECOLOGICAL INFORMATION**

### **Environmental fate and distribution**

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

### **Ecotoxicity effects**

No adverse effects on aquatic organisms.

**Bioaccumulation** : No bioaccumulation potential.

### **Fate and effects in waste water treatment plants**

Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.

### **Additional environmental information**

Additional environmental information on the silicone component is available on request.

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## **13. DISPOSAL CONSIDERATIONS**

**Product disposal** : Dispose of in accordance with local regulations.

**Packaging disposal** : Dispose of in accordance with local regulations.

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## **14. TRANSPORT INFORMATION**

### **Road / Rail (ADR/RID)#**

Not subject to ADR/RID.

### **Sea transport (IMDG)**

Not subject to IMDG code.

### **Air transport (IATA)**

Not subject to IATA regulations.

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## **15. REGULATORY INFORMATION**

### **Labelling according to EEC Directive**

No special packaging or labelling requirements.

### **National legislation / regulations**

**Ozone depleting Chemicals** : No ozone depleting chemicals are present or used in manufacture.

### **Status**

**EINECS** : All ingredients listed or exempt.

**TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

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## **16. OTHER INFORMATION**

This product safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Replication Technologies Ltd product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Replication Technologies Ltd Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with Commission Directive 1999/45/EC.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Replication Technologies Ltd shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from Replication Technologies Ltd a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to Replication Technologies Ltd.