

# Silicone Paint Base Diluent

## 1. DESCRIPTION

Silicone Paint Base Diluent is a low viscosity thinner that can be employed as a viscosity modifier for many 1-Part RTV sealants, and conformal coatings.

## 2. ADVANTAGES

- Wide liquid temperature range
- Odourless
- Compatible with virtually all silicones
- Very low surface tension (<18N/m) which enhances spreading of films
- Could rate of evaporation

## 3. APPLICATIONS

Suitable for making custom paints for application to props made of RTV silicone rubber.

## 4. CHARACTERISTICS

### a) CONSTITUENTS:

	Silicone Paint Diluent
Appearance	Clear, colourless liquid
Odour	Virtually odourless
Boiling Point	205°C
Viscosity at 25°C	5mm <sup>2</sup> s <sup>-1</sup> (centistokes)

### b) APPLICATION:

There are applications, particularly in the art world of special effects, where a paint-able or spray-able form of the 1-Part Silicone RTV Sealant/Adhesive is required. This can be achieved by the addition of Silicone Paint Base Diluent to these products.

Formulations depend on the nature of the RTV employed i.e. flow-able or non-slump. A typical formulation for a spray-able, translucent silicone sealant is:-

Silicone Sealant/Silicone Paint Base No1      30 to 50 parts

Silicone Paint Base Diluent      70 to 50 parts

After painting or spraying the substrate, the product should be allowed to cure at room temperature.

Information contained in this document is the result of careful tests carried out objectively. It has been produced to aid the Buyer, but without implying any commitment on our part. The Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended purpose. Since we cannot control the application, process, or use of these products, we cannot accept responsibility therefore.

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## 5. PACKING

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Silicone Paint Base Diluent is available in 1kg bottles.

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## 6. HEALTH & SAFETY

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*(Refer to Health & Safety Data Sheet)*

Handling and mixing of Silicone Paint Base No.1 requires the following precautions:-

- i) Wear gloves and goggles
- ii) Use adequate ventilation
- iii) Do not eat, drink or smoke
- iv) Avoid swallowing, skin or eye contact.
- v) If contact does occur, wash with clean water immediately and in the case of eye contact, consult a doctor.

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## 7. SHELF LIFE

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Silicone Diluent have a minimum shelf life of six months when stored in the original containers at temperatures between 18 and 25°C.

Note: If allowed to freeze the RTV will be spoilt. If allowed to heat to excessive temperatures the product will cure prematurely.

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