



BASILDON

BC 338 Silicone Wax Emulsion

Description

Basildon Chemicals 338 Silicone Wax Emulsion has been produced to enable a polish base to be formulated from a simple blend of materials without using heat or high-shear mixing equipment. BC338 Silicone Wax Emulsion contains a mixture of silicone fluids to give optimum 'shine' and a small amount of wax to prevent smearing or finger-marking of the polished surface.

Product Features

Simple to use concentrate for making a variety of surface polishes.
Contains main polish components, so no need for time consuming formulation work.
Minimal batch-to-batch variation.

Applications

Household furniture polish formulations.
Car care polish and conditioner formulations

Method of Use

BC 338 Silicone Wax Emulsion is readily diluted with water to any concentration and is compatible with most commonly used polish components. It is also very effective when used in a trigger spray bottle. This product should be re-homogenised via gentle stirring/agitation before use as slight 'creaming' can occur with long periods of standing.

Sample Formulation

BC 338 Wax Emulsion	14.0%
Isopropanol (or Dioxitol)	4.5%
Brij O3* (Oleyl Alcohol 3 mols EO) or similar emulsifier	0.5%
Perfume	qs
Preservative	qs
Water	up to 100.0%

* Croda Chemicals

A more economical product can be formulated by using half the BC 338 Silicone Wax Emulsion with Isopropanol and reducing perfume levels.



Revision date - August 2017

Method of Manufacture

Measure the water into a mixing tank. Dissolve the perfume and Brij O3 in the isopropanol in a separate vessel. Add the isopropanol mixture to the water using vigorous or high-shear mixing. Finally add BC 338 and preservative whilst stirring slowly. The product can then be packed into aerosols or spray bottles. A typical aerosol formulation would be 95% polish, plus 5% butane propellant. The corrosion characteristics of any water based formulation, packaged in pressurised tinline aerosol systems should be thoroughly studied before approval.

Storage and Shelf Life

The product should be stored below 32°C and not allowed to freeze. Shelf life of the unopened container is 12 months from date of manufacture. If you wish to use the product after this time please contact us for approval.

Typical Properties

Specific gravity	1.0
Appearance	off white emulsion
Percentage silicone	33

Technical Service

Our technical and sales staff have considerable experience of the use of silicone products in a very wide variety of industries and the benefit of this experience is freely available to all our customers.

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