

UN-P102C



General Description **UN-P102C** is an 'IN-CAN' preservative manufactured by United Nanotech Products Ltd. The product is specifically developed for the complete microbiological protection of water based paints against microbial spoilage in the wet state.

Composition **UN-P102C** is described chemically as aqueous suspension silver nanoparticles, 5-chloro-2-methyl-2H-isothiazol-3-one/2-methyl-2H-isothiazol-3-one, formaldehyde, sodium citrate and sodium borate.

Typical Properties **UN-P102C** has the following typical properties:

| Property | Analysis |
|-----------------------|-------------------------|
| Appearance | Pale yellowish solution |
| Specific gravity | 1.01 ± 0.01 |
| pH (10% aq. Solution) | 4.3 ± 0.1 |
| Viscosity (B4/30°C) | 10.9 ± 0.1 s |
| Active component | ~ 8.0 % |

Addition **UN-P102C** should be added under good stirring at the dispersion stage. Good homogeneous distribution must be observed.

Use Level The recommended use level of **UN-P102C** is normally in the range 0.1-0.3% based on the total weight of the finished product.

Compatibility **UN-P102C** is compatible with most of the water-based paint raw materials. Compatibility of **UN-P102C** with the application should always be checked before use.

Storage Conditions **UN-P102C** should be stored at temperatures within the range 5-55°C. Storage conditions should also be in conformance with applicable legal, fire and insurance regulations.

Shelf Life Under correct storage conditions the normal shelf life for this product is 12 months.

Safety Data Sheet MSDS is available upon request.