

Germaben II

CAS No.: 57-55-6; 78491-02-8; 99-76-3; 94-13-3

Germaben® II is a broad spectrum, liquid preservative system. Its active components have been solubilized in propylene glycol, making them easy to incorporate into formulations. It is ready-to-use in emulsions with an oil phase of about 25% or less and water soluble formulations. Germaben II is heat sensitive and should be added to the water phase or to the emulsified portion of the formulation at a temperature of 140°F (60°C) or below, during the cool down stage, generally prior to the addition of fragrance. Adding Germaben II above 140°F (60°C) could result in compromising the preservative system in your product. Germaben II is compatible with most cosmetic ingredients and is effective over a broad pH range of 3.0 – 7.5.

INCI: Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben

Recommended use levels: 0.5 - 1%.

Appearance: Clear viscous liquid

Property	Specification
APHA (Color)	≤ 100
% Nitrogen (by combustion)	5.8 – 6.4
Specific Gravity @ 25°C	1.1768 – 1.1876
Total Solids	43.5 – 46.5
% Residue on Ignition (Ash)	≤ 0.5
Appearance	Clear to light yellow liquid
Identification by IR	Matches reference scan
Odor (Olfactory)	Characteristic mild

Shelf-life & Storage: 2 years from the date of manufacture if stored under dry, ambient conditions in a sealed container.