

## Paraben-DU

### Specification Sheet

**Description:** Mixture of three broad-spectrum preservatives including 3% propylparaben, 11% methylparaben & 30% diazolidinyl urea. Acitivity: 44% active substances, 56% solvents (propylene glycol), pH 6-8 (10% aqueous solution). Soluble in water. Clear yellowish liquid, weak odor.

**CAS:** 94-13-3, 99-76-3, 78491-02-8, 57-55-6

**INCI Name:** Propylparaben, methylparaben, diazolidinyl urea, propylene glycol

**Benefits:**

- Very potent broad-spectrum preservative combining two active components
- Effectively prevents growth of yeasts, molds and bacteria
- Extends shelf life of personal care products typically to 1-2 years
- Resistant to surfactant-induced inactivation

**Use:** Can be added to cold or hot formulas (just before the addition of fragrance), recommended final concentration 0.3-1% dependent on the complexity of formulation & desired shelf-life. For external use only.

**Applications:** All kinds of leave-on & rinse-off personal care and cosmetic products, emulsions with up to 25% of oils.

**Country of Origin:** USA

**Raw material source:** Para-hydroxybenzoic acid. Allantoin and formaldehyde.

**Manufacture:** Parabens are manufactured by the esterification of para-hydroxybenzoic acid with the appropriate alcohol, such as methanol, ethanol, or n-propanol. Diazolidinyl urea is produced by reacting allantoin and formaldehyde in the presence of sodium hydroxide solution.

**Animal Testing:** Not animal tested

**GMO:** GMO-free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components