

## 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).

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

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

**Composition:** Propylparaben, methylparaben, diazolidinyl urea, propylene glycol

**Appearance:** Clear yellowish liquid, weak odor

#### 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). Typical use level 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.

**Solubility:** Water-soluble

**Storage:** Store in a closed container at a dry place at room temperature.

**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.



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

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

**HS Code:** 3003100000