

## Urea USP

### Specification Sheet

**Description:** USP Grade (99.8% pure). Urea is a derivative from proteins, appears in urine, pH 7.2. Whitish crystalline powder or granules, slight ammoniacal odor. Soluble in water; only partly soluble in glycerin (500 g/L in glycerin) and alcohols (10 g/L in 95% alcohol, 167 g/L in methanol), Synonyms: carbamide (resin), carbamimidic acid, ureaphil, carbonyl diamide.

**CAS:** 57-13-6

**INCI Name:** Urea

**Benefits:**

- Excellent moisturizer and humectant
- Replenishes natural urea content in skin after cleansing (avoids dryness)
- Keratolytic properties (skin-exfoliating) at higher concentrations
- Has purifying and deodorizing effects

**Use:** Add to the water phase of the formulas, typical use level 2-15% in emulsions. For external use only.

**Applications:** Creams, lotions, sun care products, after-sun lotions, abrasive creams, cleansing products including shampoos & body washes.

**Country of Origin:** USA

**Raw material source:** Ammonia and carbon dioxide

**Manufacture:** Urea is produced from synthetic ammonia and carbon dioxide. The resulting urea is then separated from unchanged ammonium carbamate.

**Animal Testing:** Not animal tested

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

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