

## MATERIAL SPECIFICATION

### delta-UNDECALACTONE, UL3110

**Chemical Name:** delta-Undecalactone; 5-Undecanolide  
**CAS #** 710-04-3  
**FEMA #** 3294  
**FLAVIS #** 10.011

**Flash Point:** 113 °C  
**Assay % (by GC)** 98.00 - 100.00 %  
**Appearance:** Colourless to pale yellow liquid  
**Odour:** Conforms to Riverside Aromatics internal standard.  
**Refractive Index @ 20C:** 1.4560 - 1.4610  
**Specific Gravity @ 20C:** 0.9580 - 0.9650  
**Shelf Life (Months):** 24. Nitrogen purge after each opening.