

### **acid anhydrides**

Compounds consisting of two *acyl groups* bonded to the same oxygen atom acyl–O–acyl. Symmetric and mixed anhydrides have identical and different acyl groups, respectively. E.g.  $\text{CH}_3\text{C}(=\text{O})\text{OC}(=\text{O})\text{CH}_3$  acetic anhydride,  $\text{CH}_3\text{C}(=\text{O})\text{OS}(=\text{O})_2\text{Ph}$  acetic benzenesulfonic anhydride,  $\text{PhC}(=\text{S})\text{OC}(=\text{S})\text{Ph}$  (thiobenzoic) anhydride.

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