

An amide (/ˈæmaɪd/ or /ˈæmɪd/ or /ˈeɪmaɪd/), also known as an acid amide, is a compound with the functional group  $\text{RnE(O)xNR}'_2$  (R and R' refer to H or organic groups). Most common are carboxamides (organic amides) ( $n = 1$ ,  $E = \text{C}$ ,  $x = 1$ ), but many other important types of amides are known, including phosphoramides ( $n = 2$ ,  $E = \text{P}$ ,  $x = 1$  and many related formulas) and sulfonamides ( $E = \text{S}$ ,  $x = 2$ ).

The term amide refers both to classes of compounds and to the functional group ( $\text{RnE(O)xNR}'_2$ ) within those compound

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