$$O = C = O + HO \longrightarrow O \longrightarrow HO \longrightarrow OH$$

$$O = C = O + MH_2 \longrightarrow H_2N \longrightarrow OH$$

$$C = C + NH_2 \rightarrow H_2N$$

$$C = C + NH_2 \rightarrow H_2N$$