A diazonium ion is an ion that has the following general structural formula.

\[
\begin{align*}
R & \quad ^{+}N\equiv\equiv\equiv N \\
\text{\textbullet R} & = \text{alkyl, aryl}
\end{align*}
\]

eg:

\[
\begin{align*}
\text{CH}_3 & \quad ^{+}N\equiv\equiv\equiv N \\
\text{diazenio group}
\end{align*}
\]

The \(+N\equiv N:\) group in a diazonium ion is called the diazonio group.

see also diazomethane

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**Contributors**

- Gamini Gunawardena from the OChemPal site (Utah Valley University)