

第8回 (2) その他の窒素酸化物



Nitrogen dioxide

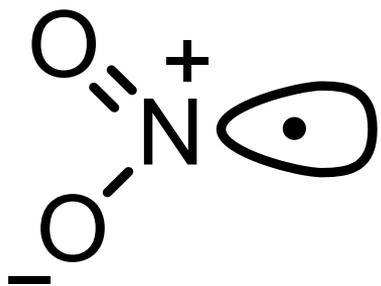
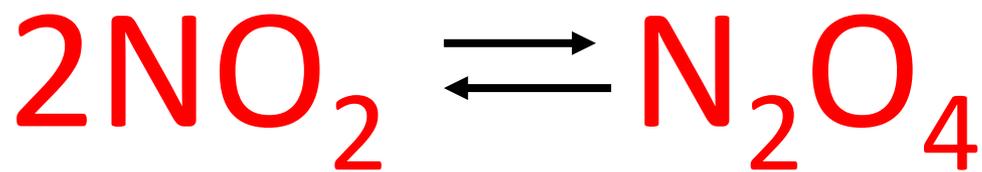


Nitrous oxide

Dinitrogen (mon)oxide



NO₂ nitrogen dioxide

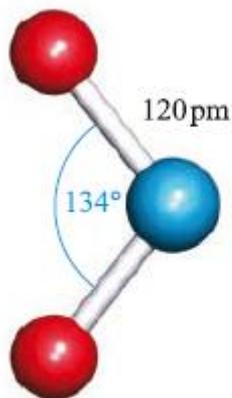


磁性

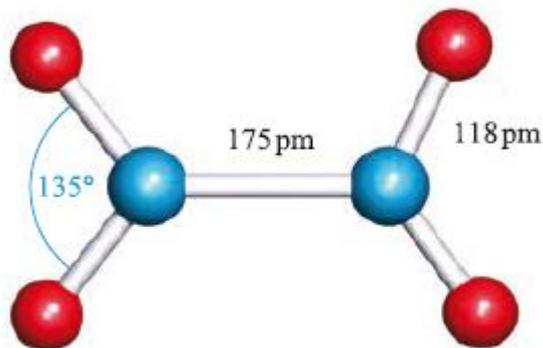
磁性

色

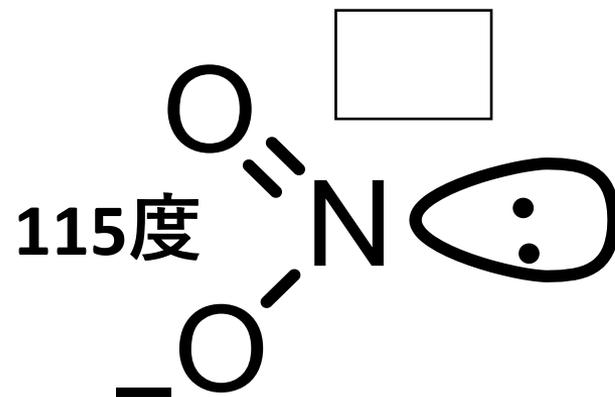
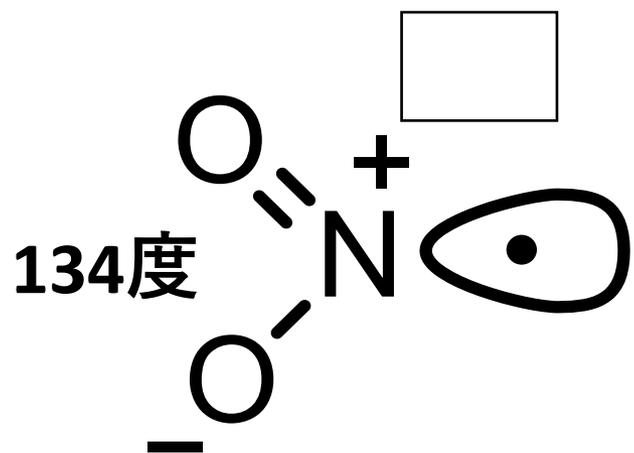
色



NO₂



N₂O₄

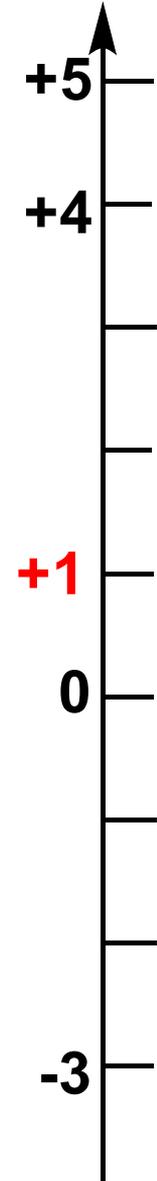


電子対の反発

孤立電子対同士 > 孤立電子対と結合電子対 > 結合電子対同士

結合電子対

oxidation
number



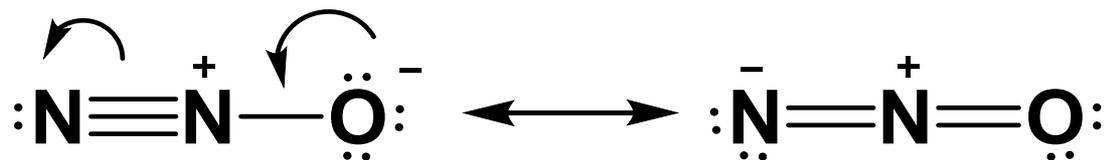
Nitrous oxide

Dinitrogen (mon)oxide



麻醉・鎮痛

- 無色の気体
- 化学的に不活性 (常温)
- 共鳴安定化

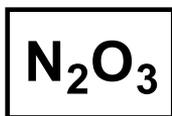


oxidation
number

+5

+4

+3

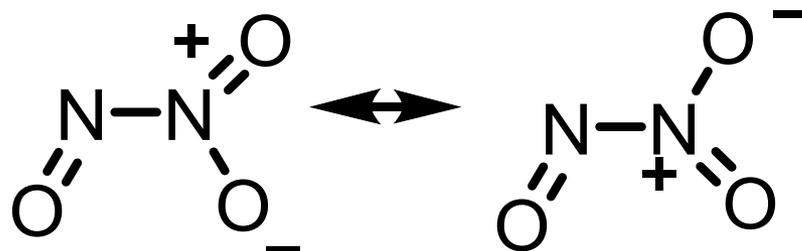


0

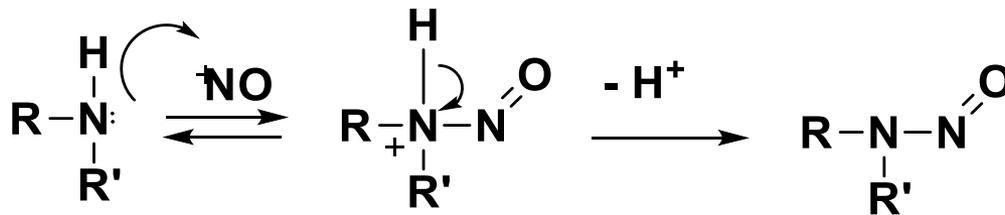
-3



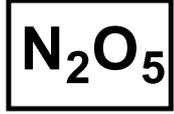
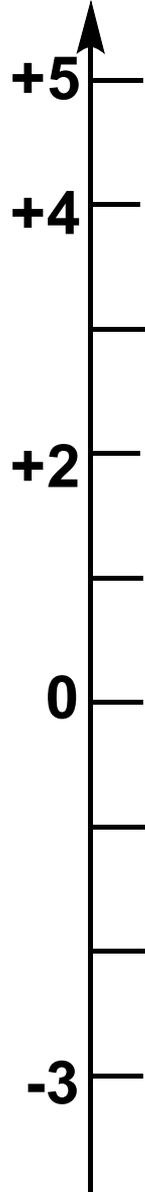
青色液体または固体



2級アミンの 化



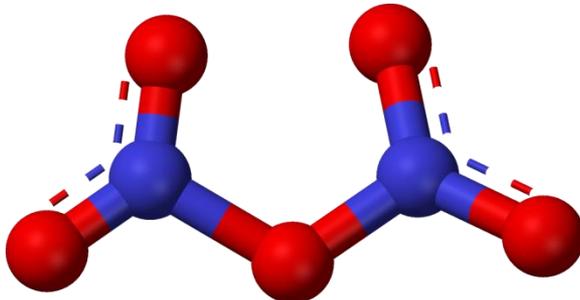
oxidation
number



固体

bp 47°C

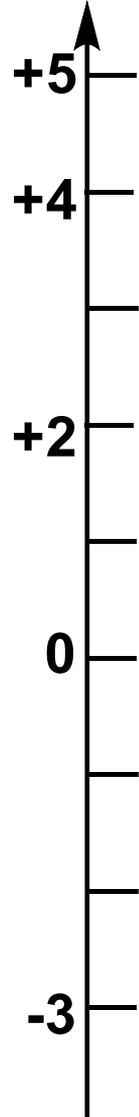
$[NO_2]^+[NO_3]^-$ solid



gas



oxidation
number



*



化
disproportionation

*



