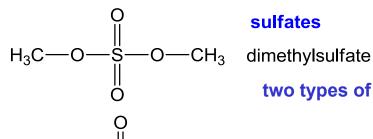
H₂SO₄



sulfates

!! compare : sulfonates

two types of sulfates exist:

neutrál and acidic

methylsulfuric acid

Preparation

Application

during alkylation reaction only one of the alkyl groups is used

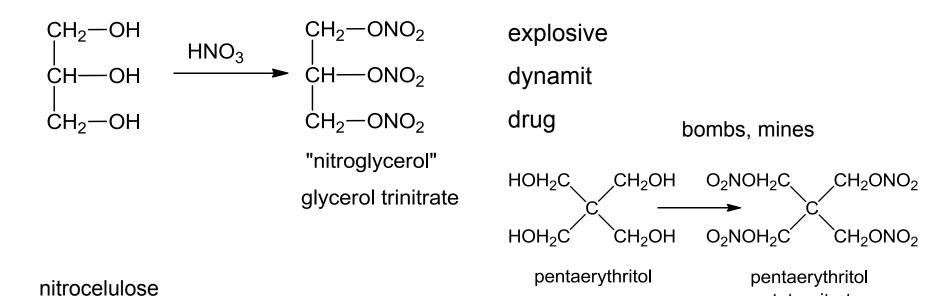
HN2 K-U-IX-C nitritES

HQ nitrates

Preparation esterification by rea

esterification by reaction of acid and alcohol

!! Nitrates are gently smelling, when heated explode !!



tetranitrate

H₃PO₄

three types of phosphates: trialkylphosfates
dialkylhydrogenphosphates
alkyldihydrogenphosphates

formation of diphosphates and triphosphates from pyrolytically formed di and triphosphoric acids

in biological systems as a source of energy

Phosphates and mainly triphosphates are very important components in biological systems, where they act role in transfer of energy. From ATP is formed ADP and a good leaving group leave - (salt of very strong mineral acid = weak nucleophile)