

MTHP : MethylTetraHydroPyran

A novel molecule bringing new perspectives as solvent for organic reactions for a beneficial replacement of usual one's such as THF or MTHF.

Main applications

- ✓ Esterification, Acetalisation by azeotropic dehydration
- ✓ Esterification with acid chloride
- ✓ Methyl Grignard Reaction
- ✓ Hydrogenation
- ✓ Coupling Reaction
- ✓ Reduction with metals (LAH, NaBH₄, etc.)
- ✓ Reactions with BuLi

Main benefits

- ✓ **High Hydrophobicity**
 - MTHP is easily separated from water ⇒ waste water reductions, easy work up.
 - MTHP forms azeotrope with water ⇒ can be used for azeotropic dehydration (eg. esterification)
- ✓ **High stability in high / low pH conditions**

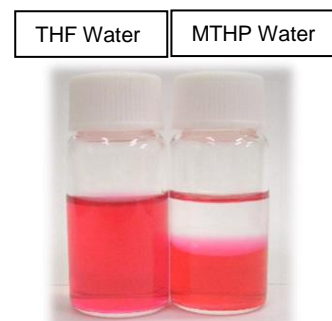
MTHP can be used in acidic or alkaline conditions such as esterification with acid catalyst, cationic polymerization, reaction with acid chloride, work up with Lewis acid, etc.

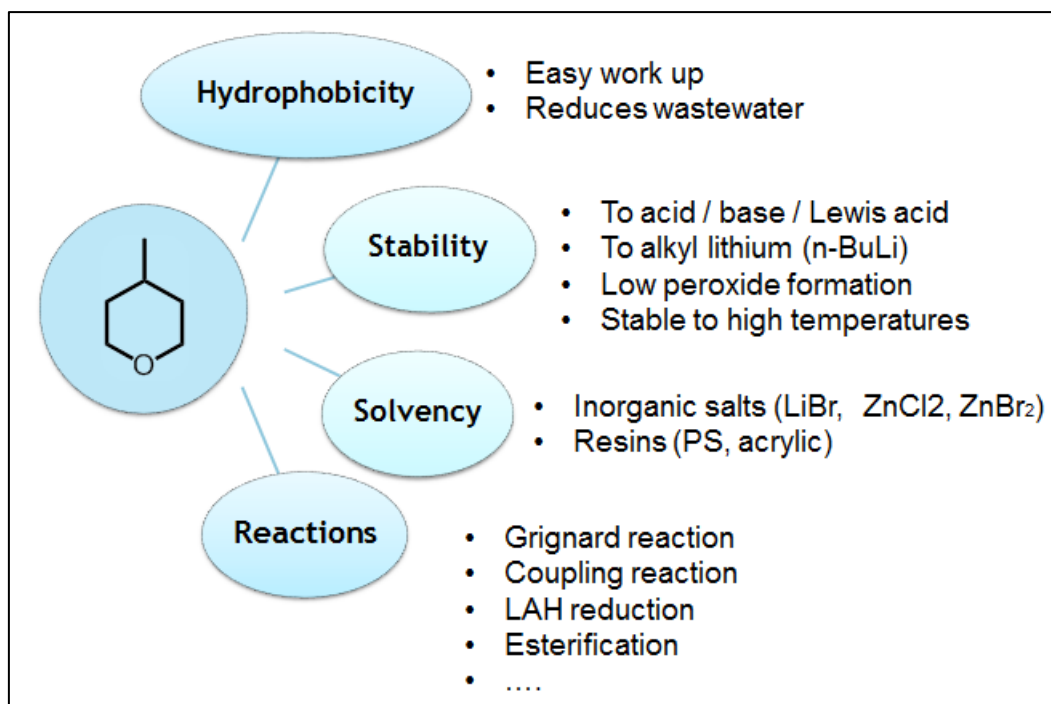
- ✓ **High solvency power**

MTHP has similar solvency characteristics than THF ⇒ MTHP can dissolve polar materials.

- ✓ **Higher boiling point**

MTHP can be used in reaction needing higher temperatures.





Registration status

- ✓ CAS 4717-96-8
- ✓ REACh registered
- ✓ ENCS registered

CLP Labelling



- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.

Contact us for further information, sample, and quotation.
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