

## Technology for Scale-up Studies and Demonstration

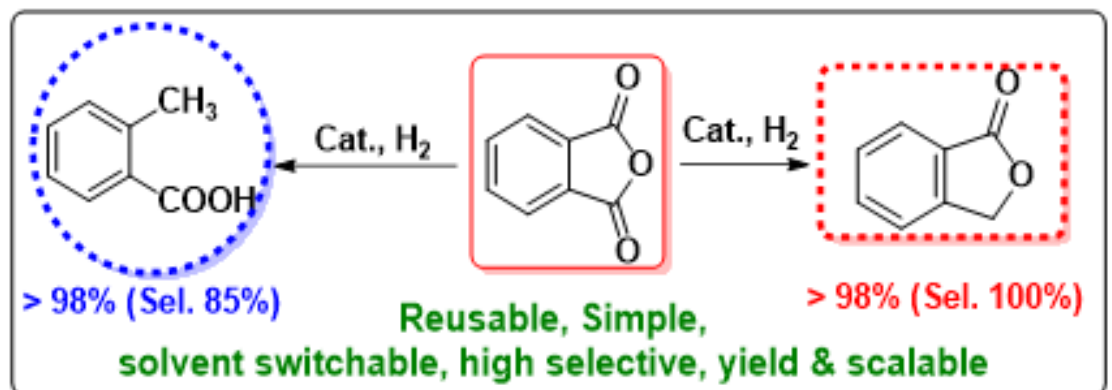
# Process for the production of Phthalides & Methyl benzoic acid

### Background & Existing Challenge

Phthalic anhydride is one of the bulk and low-cost chemical in the Fine chemical industry. Hydrogenating Phthalic anhydride to either Phthalide or 2-methylbenzoic acid can be achieved by simple solvent change approach. Existing process includes challenges such as Lack of selectivity & low yield and Catalyst reuse/stability

### Why CSMCRI Process

- Simple solvent change make the process easy and permits separation of catalyst & product
- High conversion (98%) and selectivity for MBA & Phthalide
- Catalyst is recyclable, and the process is scalable



**Patent**  
**0205NF2**  
**021/IN**

**TRL**  
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