

# Key Technology Areas

## Fluorine chemistry

- PBSF : a new Fluorinating Agent
- Halogen Exchange Reactions (Halex)



A company of the  
**LANXESS**  
Group

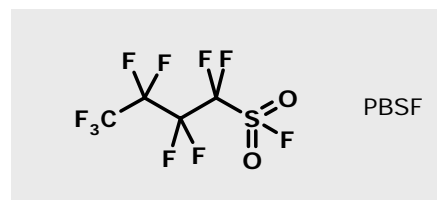
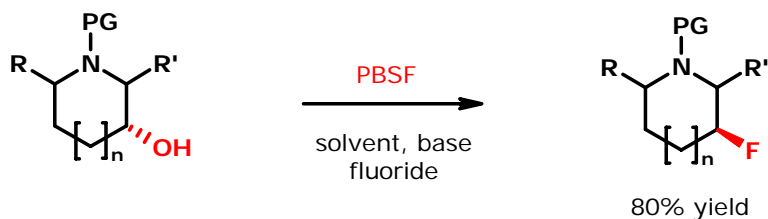
**saltigo**  
customized competence

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# PBSF – A New Fluorinating Agent

## Perfluorobutane sulfonyl fluoride

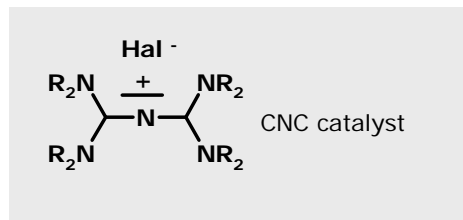


## Perfluorobutane sulfonyl fluoride

- allows stereo selective conversion of hydroxy groups into fluoro compounds
- is a colorless liquid, b.p. 66°C, non toxic
- shows low reactivity with moisture/air/water
- not ignitable
- is produced at LANXESS in several metric tons per year

# Halogen Exchange Reactions

CNC – a new generation of phase-transfer catalysts for halex reactions



CNC is

- Saltigo's own proprietary catalyst system
- highly temperature stable
- non-toxic
- allows halex reaction of inactivated substrates

