

## Abbreviations used in this thesis

HPBI	: 3-phenyl-4-benzoyl-5-iso-oxazolone
HPAI	: 3-phenyl-4-acetyl-5-iso-oxazolone
HPMBP	: 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone
HTTA	: Thenoyl trifluoro acetone
TOPO	: Trioctyl phosphine oxide
TBPO	: Tributyl phosphine oxide
TPPO	: Triphenyl phosphine oxide
TBP	: Tributyl phosphate
TOA	: Tri-n-octyl amine
DP	: 2,2'-dipyridyl
CE	: Crown ether
D2EHAA	: Di-2-ethylhexyl acetamide
D2EHPrA	: Di-2-ethylhexyl propanamide
D2EHiBA	: Di-2-ethylhexyl isobutylamide
D2EHPvA	: Di-2-ethylhexyl pivalamide
DMSO	: Dimethyl sulphoxide
CMPO	: N-octyl(phenyl)-N,N-diisobutyl carbamyl methyl phosphine oxide
PC88A	: 2-ethylhexyl phosphonic acid-mono-2-ethylhexyl ester
Py	: Pyridine
DOSO	: Dioctyl sulphoxide
Cyanex 272	: Bis(2,4,4-trimethyl pentyl) phosphinic acid
DPSO	: Diphenyl sulphoxide

PSO	: Petroleum sulphoxide
PhSO	: Phenyl sulphoxide
Cyanex 302	: Bis(2,4,4-trimethyl pentyl) monothio phosphinic acid
Acac	: Acetyl acetone
HDEHP	: Di(2-ethylhexyl) phosphoric acid
TDA	: Tri-dodecylamine
TCMA	: Tri-caprylmethylammonium chloride
12C4	: 12-Crown-4
15C5	: 15-Crown-5
18C6	: 18-Crown-6
DB18C6	: Dibenzo-18-Crown-6
DC18C6	: Dicyclohexyl-18-crown-6
EDTA	: Ethylene diamine tetraacetic acid
MIBK	: Methyl isobutyl ketone
AAS	: Atomic absorption spectrometer
MeV	: Mega electron volt