

ASTROBIO™ Bio-Solvents

Liberty Chemicals S.r.L. produces proprietary bio-based solvents under the brand name ASTROBIO™. These are distributed exclusively in the Swiss market by Distona AG.

Benefits for the environment and health:

- Harmless labelling
- Readily biodegradable raw materials.
- Renewable raw materials.
- No ozone depleting chemicals (ODC).
- Partial abolition of the VOC levy in Switzerland.

Keton Replacements		
Solvent	CAS No.	AstroBio™
Acetone	67-64-1	K1
MEK	78-93-3	K2
MIBK	108-10-1	K3
MIAC	110-43-0	K4
Cyclohexanone	108-94-1	CX

Ester Replacements		
Solvent	CAS No.	AstroBio™
Butyl acetate	123-86-4	BA
Dibasic esters	95481-62-2	DS

Alcohol and Glycol Replacements		
Solvent	CAS No.	AstroBio™
IPA	67-63-0	K80
Benzyl alcohol	100-51-6	VL
PM	107-98-2	TL2
DPM	34590-94-8	DP
PMA	203-603-9	PA
Butyl glycol	111-76-2	BC/BC2

Pyrrolidone Replacements		
Solvent	CAS No.	AstroBio™
NMP/NEP/NBP	872-50-4	NS
NMP/NEP/NBP	872-50-4	NS3 stronger than NS

Paraffin Replacements		
Solvent	CAS No.	AstroBio™
D40	64742-48-9	K40
D60	64742-48-9	SR
D100	64742-48-9	S100

Aromatic Replacements		
Solvent	CAS No.	AstroBio™
Toluene/xylene	108-88-3	XT
D-limonene	5989-27-5	SD8

Hydroxyl-Free Specialties		
Application	RER (BuOAc=1)	AstroBio™
PU coating formulation, Cleaning. Same functionality, but different RER	0,20	NV3
	0,40	NV
	0,90	NV5
	1,23	NV9
	1,60	NV11
	1,70	NV13

Cleaning Specialties and Release Agents	
Application	AstroBio™
Resin/Polymer removers	AP/AP 3
Metal surfaces cleaner	MT
Multipurpose degreaser	SD
Bitumen, tar, asphalt, heavy	VG Water emulsifiable
hydrocarbons cleaners and release agents with or without co-solvents to increase efficiency	G4
	G3
	G1