

ASTROBIO™ product Port-Folio

ASTROBIO™ are proprietary bio-based solvents designed and produced by Liberty Chemicals S.r.L. (Italy).

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KETON REPLACEMENTS

SOLVENT	CAS N.	ASTROBIO™
Acetone	67-64-1	ASTROBIO™ K1
MEK	78-93-3	ASTROBIO™ K2
MIBK	108-10-1	ASTROBIO™ K3
MIAC	110-43-0	ASTROBIO™ K4
Cyclohexanone	108-94-1	ASTROBIO™ CX

ESTER REPLACEMENTS

SOLVENT	CAS N.	ASTROBIO™
Butyl acetate	123-86-4	ASTROBIO™ BA
Ethyl acetate	141-78-6	ASTROBIO™ AC
Ethyl lactate	687-47-8	ASTROBIO™ EL
Dibasic esters	95481-62-2	ASTROBIO™ DS

ALCOHOL AND GLYCOL REPLACEMENTS

SOLVENT	CAS N.	ASTROBIO™
IPA	67-63-0	ASTROBIO™ K80
Benzyl alcohol	100-51-6	ASTROBIO™ VL
PM	107-98-2	ASTROBIO™ TL2
DPM	34590-94-8	ASTROBIO™ DP
PMA	108-65-6	ASTROBIO™ PA
Butyl glycol	111-76-2	ASTROBIO™ BC/BC2

PYRROLIDONE REPLACEMENTS

SOLVENT	CAS N.	ASTROBIO™
NMP/NEP/NBP	872-50-4	ASTROBIO™ NS
NMP/NEP/NBP	872-50-4	ASTROBIO™ NS3

stronger than NS

PARAFFIN REPLACEMENTS

SOLVENT	CAS N.	ASTROBIO™
D40	64742-48-9	ASTROBIO™ K40
D60	64742-48-9	ASTROBIO™ SR
D100	64742-48-9	ASTROBIO™ S100

ENVIRONMENTAL & HEALTH BENEFITS:

- Harmless labelling
- Readily biodegradable raw materials.
- Slow Climate change: carbon neutral balance.
- Renewable raw materials.
- No ozone depleting chemicals (ODC).
- No environmental hazardous ingredients.
- No hazardous air pollutants.

AROMATIC REPLACEMENTS

SOLVENT	CAS N.	ASTROBIO™
Toluene/xylene	108-88-3	ASTROBIO™ XT
D-limonene	5989-27-5	ASTROBIO™ SD8

HYDROXYL-FREE SPECIALTIES

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

CLEANING SPECIALTIES & RELEASE AGENTS

Application	ASTROBIO™
Resin/Polymer removers	ASTROBIO™ AP/AP3
Metal surfaces cleaner	ASTROBIO™ MT
Multipurpose degreaser	ASTROBIO™ SD
Bitumen, tar, asphalt, heavy hydrocarbons cleaners and release agents with or without co-solvents to increase efficacy.	ASTROBIO™ VG <i>Water emulsifiable</i>
	ASTROBIO™ G4
	ASTROBIO™ G3
	ASTROBIO™ G1

For detailed application, area of use, physico-chemical properties and available packaging please see each product's TDS.

ASTROBIO™ is a registered trademark of Liberty Chemicals S.r.L.