

iBiotec[®] **SOLVETAL[®]** **AC 100**

ANTI-STICKING AGENT READY TO USE

100 % PLANT-BASED

Application by low-pressure sprayer

For road surfaces

Cold, warm or hot mixes

Asphalt batching plants,

Rentals, Construction sites



DESCRIPTION

Synergistic fluid formulated from plant-derived ingredients, specially developed to provide maximum anti-sticking performance at every stage of hot-mix asphalt application: minimum 160°C during loading, 130°C upon delivery to the worksite, and 120°C during compaction. Also suitable for warm-mix asphalt.

GUARANTEED free from harmful vapours, fumes, allergens, pesticide residues and GMOs. Readily and rapidly biodegradable.

PHYSICOCHEMICAL PROPERTIES

CLASSIFICATION: NON-POLAR BIO-BASED SOLVENTS

CHARACTERISTICS	STANDARDS	VALUES	UNITS
Appearance	Visual	Clear	-
Colour*	Visual	Yellow-orange	-
Odour	Olfactory	Slight, characteristic	-
Density at 25°C	NF EN ISO 12185	916	kg/m ³
Pour point	ISO 3016	-12	°C
Solubility in water	-	0	%
Kinematic viscosity at 40°C	NF EN 3104	31	mm ² /s
Surface tension	NF ISO 6295	28.7	dynes/cm
Refractive index	NF EN ISO 6320	1.4740	-
Solvent power Kauri-Butanol value	ASTM D 1133	>220	-
Acid value	EN 14104	<1	mg(KOH)/g
Iodine value	NF EN 14111	<120	gl ₂ /100g
Water content	NF ISO 6296	< 0.2	%

FIRE SAFETY CHARACTERISTICS			
CHARACTERISTICS	STANDARDS	VALUES	UNITS
Flash point (closed cup)	NF EN 22719	>170	°C
Auto-ignition temperature	ASTM E 659	>250	°C
Lower explosive limit	-	Not explosive	% (by volume)
Upper explosive limit	-	Not explosive	% (by volume)
Content of explosive, oxidising, flammable, highly or extremely flammable substances	CLP Regulation GHS	Total absence	%

TOXICOLOGICAL CHARACTERISTICS			
CHARACTERISTICS	STANDARDS	VALUES	UNITS
Anisidine value	NF ISO 6885	<5	-
Peroxide value	NF ISO 3960	<10	meq(O ₂)/kg
TOTox (anisidine value + 2 × peroxide value)	-	<25	-
Content of CMR, irritating, corrosive substances	CLP Regulation	Total absence	%
Residual methanol content from transesterification	GC-MS	0	%
Emissions of hazardous compounds, CMR, irritating, corrosive at 160°C	GC-MS	0	%
Limit and average exposure value (VLE and VME)		None	ppm

ENVIRONMENTAL CHARACTERISTICS			
CHARACTERISTICS	STANDARDS	VALUES	UNITS
Water hazard class	WGK Germany	1	class
Primary biodegradability CEC 21 days at 25°C	L 33 T 82	> 90	%
Readily biodegradable OECD 301 A over 28 days COD reduction	ISO 7827	> 80	%
Readily and ultimately biodegradable OECD 310 C over 28 days Biodegradation at 67 days	Modified MITI	> 90 100	% %
Bioaccumulation n-octanol/water partition coefficient	OECD 107	< 3	log KOW
Vapour pressure at 20°C	-	< 0.1	hPa
VOC content (Volatile Organic Compounds)	-	0	%
Solvent content	-	0	%
Content of hazardous substances for the environment	-	Total absence	%
Content of substances with a PBT profile	-	0	%
Content of substances with a vPvB profile	-	0	%
Carbon footprint, life cycle analysis	ISO 14040	1.60	kg CO ₂ equivalent

Note: This formulation contains plant-based ingredients. Its color cannot be specified; it may vary significantly depending on the country of origin, season, cultivation method, and weather conditions. Color variation does not affect the product's quality or performance in use.

PRECAUTIONS FOR USE

Store under cover; keep in temperature-controlled areas during periods of extreme cold (< -10°C). Use undiluted; do not mix with carcinogenic diesel fuel, hydrocarbon solvents, or any other unspecified formulation products.

DIRECTIONS FOR USE

Use undiluted (ready-to-use). Apply sparingly to surfaces using a low-pressure sprayer. For application in systems equipped with automatic spray bars, use a mixture of SOLVETAL DBE 250 and water, or use SOLVETAL 5050 undiluted (viscosity-adjusted).

PACKAGING

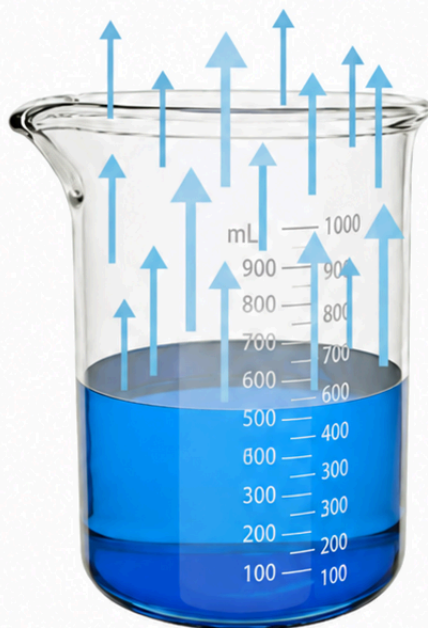
1000 L IBC Container

200 L Drum

20 L Canister



MADE
IN FRANCE



VAPOUR PRESSURE OF A SOLVENT AT 20°C

DO YOU KNOW THE VAPOUR PRESSURE OF THE SOLVENTS YOU USE?

**The higher the vapour pressure of a solvent,
THE MORE WORKERS ARE EXPOSED TO THESE VAPOURS.**

**The higher the vapour pressure of a solvent,
THE LOWER THE OCCUPATIONAL EXPOSURE LIMIT (OEL) IS, AND THE QUICKER IT IS REACHED.**

**The higher the vapour pressure of a solvent,
THE LOWER EXPLOSIVE LIMIT (LEL) IS REACHED.**

**The higher the vapour pressure of a solvent,
THE GREATER THE LOSSES DUE TO EVAPORATION.**
(amount purchased – quantities on waste container edges = unnecessary economic loss)

**The higher the vapour pressure of a solvent,
THE HIGHER THE EMISSIONS OF VOLATILE ORGANIC COMPOUNDS (VOCs) INTO THE ATMOSPHERE.**

Looking for a substitute? Visit www.solvents.fr

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