



VÉGÉTAL[®]
BIOTEC



AGROCHIMIE

BIO 5100

Anti-adhesive treatment
for transport and implementation of road bituminous mix

- **Biotechnologic**
- **Free from volatile organic compound**
- **Odourless**
- **Non toxic**
- **100% Biodegradable**
- **100% of vegetal origin**



Staying ahead of the future!

BIO 5100

Anti-adhesive treatment for transport and implementation of road bituminous mix

BIO 5100 is an anti-adhesive fluid specifically developed to replace solvents on vegetal base or all other solvents of oil origin. It meets the expectation of production and maintenance directors, in terms of performance, health, environment and safety.

BIO 5100 has no tar removing action and thus preserves the quality of the bituminous mix

Applications



Truck bodies

Finishers



Sumps of loaders

Power stations of coating

Hand tools

(scrapers, shovels, wheelbarrows ...)





Spread

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Comparative Study

	BIO 5100	Anti-adhesive <i>Vegetal base (colza ester)</i>	Fuel
Hygiene	<ul style="list-style-type: none"> • No toxicity • No vapor at 160° • Not concerned by No. 84 registered professional diseases 	<ul style="list-style-type: none"> • No toxicity • Limitation of the vapors at 160° but toxicity risk* • Not concerned by No. 84 registered professional diseases 	<ul style="list-style-type: none"> • CMR carcinogenic (grade 3) • Formation of explosive and toxic vapors • Concerned by No. 84 registered professional diseases
Safety	<ul style="list-style-type: none"> • High flash point >180°C • Non-explosible vapors 	<ul style="list-style-type: none"> • High flash point >140°C • Non-explosible vapors 	<ul style="list-style-type: none"> • Flash point >55°C • Explosible vapors
Environment	<ul style="list-style-type: none"> • VOC=0 • Easily biodegradable 	<ul style="list-style-type: none"> • VOC=0 • Easily biodegradable 	<ul style="list-style-type: none"> • VOC=100% • Dangerous for the environment
Performance	 <ul style="list-style-type: none"> • Adhesive • Persisting at 160° • Preserves the bituminous mix • Compatible with all supports 	<ul style="list-style-type: none"> • Limited on vertical walls • Loss of mass limited to 160° • Degrades the bituminous mix • Incompatible on painting, elastomer and plastic 	<ul style="list-style-type: none"> • Limited on vertical walls • Important and immediate loss of mass at 160°C • Compatible on painting and plastic • Aggressive with some elastomers
Saving	<ul style="list-style-type: none"> • Low consumption • Competitive purchase price 	<ul style="list-style-type: none"> • limited consumption • High purchase price 	<ul style="list-style-type: none"> • Important consumption (treatment to be frequently renewed in service) • Economic purchase price
Ergonomics	<ul style="list-style-type: none"> • Odourless 	<ul style="list-style-type: none"> • Characteristic vegetal odor 	<ul style="list-style-type: none"> • Powerful and persistent odor

* Esters with iodine > 100

CHEMICAL PROPERTIES

PROPERTIES	VALUES	UNIT
Aspect	Clear	-
Color	Clear yellow	-
Odor	Weak	-
Density at 25°C	905	Kg/m ³
Flash point, closed cup	> 180	° C
Auto-ignition temperature	> 300	° C
Freezing point	1	° C
Lower explosion limit	Non explosible	% (v/v)
Upper explosion limit	Non explosible	% (v/v)
VOC content (Volatil organic compounds)	0,0	% (m/m)
Solvent content	0	% (m/m)
Hydrocarbon content	0	% (m/m)
Aromatic content	0	% (m/m)
Benzene content	0	ppm
Chlorine content	0	ppm
Fluorine content	0	ppm
Bromine content	0	ppm
Iodine content	0	ppm
Sulfur content	0	ppm

**This product is made of esters of natural vegetable oil whose origins can not specify a constant color. This may vary according to place of production and weather conditions before harvest. A difference of even extremely large color does not affect the product performance.*

Way of use :

Store under cover in a cool place before use

Precautions for use :

Do not mix the product with other liquids like fuel

Do not use solvents or fuel

Do not split

PACKAGING : Container 1000 L - Drum 200 L - Plastic jerrycan 20 L

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Site certification :

ISO 9001 VERSION 2000 (1993)

OHSAS 18001 VERSION 1999 (2005)

ISO 14001 VERSION 2004 (2006)

Integrated Management System (2007)