

APPLICATIONS

Worksite

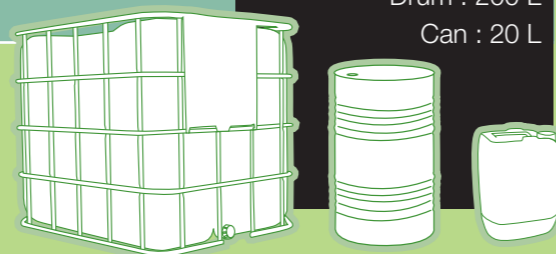
Workshop

Plant

Function	Functions Supports (equipment or materials) concerned
Cleaner agent	<p><b>TO USE PURE</b></p> <ul style="list-style-type: none"> <li>- Slopes of sprayer and emulsion circuits for finishers with integrated slope</li> <li>- Soiled Edges - Tools (handles and teeth of rakes, shovels...)</li> <li>- Soiled Clothing</li> <li>- Soiled Gloves</li> <li>- Soiled Shoes</li> </ul>
release agent	<p><b>TO USE PURE</b></p> <ul style="list-style-type: none"> <li>- Table of the finisher</li> <li>- Flanges of milling machine conveyor</li> <li>- Feeder and supply screw of the finisher</li> <li>- Track of the finisher</li> <li>- Bucket for charger transporting asphalt</li> <li>- Slide for ECF machines</li> <li>- Tools (scraper, shovels, rakes...)</li> <li>- Plate for eye heads</li> <li>- Shoes</li> <li>- Vibrating plates</li> </ul>
Cleaner agent	<p><b>TO USE PURE</b></p> <ul style="list-style-type: none"> <li>- Metal Parts with bitumen</li> <li>- Metal Parts with grease</li> <li>- Soiled Clothing</li> <li>- Soiled Gloves</li> <li>- Soiled Shoes</li> </ul>
release agent	<p><b>TO USE PURE</b></p> <ul style="list-style-type: none"> <li>- Skip, shuttle or carrier with scraper for asphalt</li> <li>- Dump truck</li> </ul>
Cleaner agent	<p><b>TO USE PURE</b></p> <ul style="list-style-type: none"> <li>- Metal Parts with bitumen</li> <li>- Metal Parts with grease</li> <li>- Laboratory glassmaking with emulsion or bitumen</li> <li>- Soiled Clothing</li> <li>- Soiled Gloves</li> <li>- Soiled Shoes</li> <li>- Bitumen Filter</li> <li>- Glassmaking and other laboratory equipment</li> </ul>

Directions for use: spraying a thin fog on surfaces to be treated. To eliminate asphalt deposits, leave several minutes to take effect then rinse with a high pressure cleaner

We are not liable for any application not in conformity with our directions for use and recommendations.



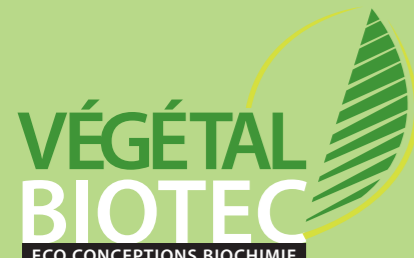
PACKAGING  
IBC : 1000 L  
Drum : 200 L  
Can : 20 L



**BIO 3010**  
cleaner and  
release  
agent for  
bitumen  
and asphalt



- 2 Functions
- Ready to use
- Improves safety at work
- Made from new plant generation esters
- Highly biodegradable



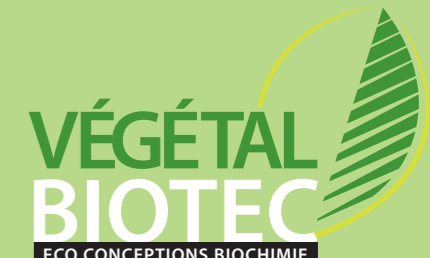
**Certified site:**

ISO 9001 VERSION 2000  
OHSAS 18001 VERSION 1999  
ISO 14001 VERSION 2004  
System of Integrated Management

**Sales organization:**

ISO 9001  
Client Listening and Satisfaction

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# BIO 3010

cleaner and  
release  
agent for  
bitumen  
and asphalt



BILAN CARBONE®

VÉGÉTAL BIOTEC player in the reduction of greenhouse gas, proposes to you that you too also contribute to the fall in carbon emissions, responsible for global warming

Carbon footprint BIO 3010 = 1,45 kg Carbon equivalent  
Carbon footprint Fuel = 967 kg Carbon equivalent

Reduction of 667 times in carbon emissions

\* Footprint calculated for 1 ton of product manufactured, packaged in a plastic container and delivered to 1000 km from its place of manufacture.

**BIO 3010** is a concentrated fluid intended for the cleaning and the non stick processing, for manufacture, transport and the implementation of road coatings.

**BIO 3010** is a cleaning fluid specifically developed to replace the fuel oil and methyl esters of rapeseed. It immediately meets the expectations of the persons in charge of the agency, safety coordinators, operations managers in terms of safety at work, of hygiene, environment but also in terms of performance and compatibility with respect to the equipment and its environment.

**Formulation improving safety**

Non flammable, **BIO 3010** avoids any need to classify the area of use as ATEX (regulation of July 8<sup>th</sup> 2003). On workcamps, **BIO 3010** replaces fuel which can be at the origin of fire starts. Fuel oil has a flash point of 55°C, so it's not compatible for a use in a 160°C environment.

**Formulation improving hygiene**

**BIO 3010**, does not contain any solvent and does not emit vapour. Moreover it is non irritating and non sensitizing, it has very little dehydrating effect on skin tissue. This preparation does not contain any substance listed as being carcinogenic, mutagenic, toxic, toxic for reproduction, harmful, irritant, sensitizing, corrosive or dangerous for environment (regulation of November 9<sup>th</sup> 2004). **BIO 3010** does not cause any occupational disease. There is no need of a special medical supervision. Never use available fuel on a workcamps and classified carcinogen of class 3.

**Formulation improving the environment**

**BIO 3010** makes it possible to be immediately released from the decree of May 29<sup>th</sup>, 2000 concerning the emission of VOC. **BIO 3010** is highly and totally biodegradable according to test OCDE 301 B (followed by the release of CO<sub>2</sub> during degradation)

**Formulation improving waste management**

**BIO 3010** is classified as N.I.W (Normale Industrial Waste). After use, it can be collected free of charge as part of an added-value programme.

**BIO 3010** is formulated from 100% plant origin, renewables, having been the object of an analysis of their life cycle (ISO 14040).

Typical physico-chemical characteristics

CHARACTERISTICS	STANDARDS	VALUES	UNIT
Aspect	Visual	Fluid	-
Colour *	Visual	-	-
Odour	Olfactive	Low	-
Density at 25°C	NF-EN ISO 12185	885	Kg/m <sup>3</sup>
Freezing point	ASTM D 97	-10	° C

\*This product is made from natural plant oil esters whose origins do not make it possible to specify a constant colour. It may have some variation according to the place of production and the climatic conditions before harvest. A difference in colour even extremely important in no way influences in the product performance.

Characteristics of performance

De-asphalting time	Internal method	5'30"	mn.sec
De-asphalting time Fuel-oil	Internal method	5'45"	mn.sec

Fire-safety specifications

Flash Point Closed Vessel	NF EN 22719	170	° C
Self-igniting	ASTM E 659	>250	° C
Lower explosion limits	-	Non-explosive	% (v/v)
Upper explosion limits	-	Non-explosive	% (v/v)
Steam pressure	-	<0,01	kPa à 20°C
Content of substances explosive, comburant, flammable, highly flammable, extremely flammable	EEC regulation 1272/2008 CLP	Complete absence	-

Toxicological characteristics

Iodine number	NF EN 14111	7,4	g/100g
Totox (Anisidine value + 2x Indice Peroxide number)	-	12,99	-
Accelerated test of oxidability (Rancimat test)	NF ISO 6886		
- Flow rate	-	10	L/h
- Temperature	-	100	° C
- Time	-	5,8	h
Content of substances toxic, very toxic, carcinogen, mutagen, toxic for reproduction, irritant or corrosive	EEC regulation 1272/2008 CLP	Complete absence	-

Environmental characteristics

Biodegradability	Test OCDE 301 B	Highly biodégradable	-
VOC Content (Volatile Organic Compounds)	-	0	%
Solvent content	-	0	%
Content of substances dangerous for the environment	EEC Regulation 1272/2008 CLP	Complete absence	-

Précautions for use

- To store under shelter, in temperate buildings before use.
- Do not distribute the product in big quantity or using a can. Using a sprayer preferably.
- In the event of accidental spreading on coatings just completed, to rinse surfaces immediately and abundantly with water. The first function of this product being to eliminate the bitumen.
- Do not apply to the asphalt before and after its installation.
- To use pure. Do not mix with fuel, classified carcinogen.
- To spray only when the finisher is empty.
- Do not use on compactor.
- Do not use as a truck shampoo.
- An overdose on the soles of shoes or treated surfaces, can involve a marking, a discoloration and even a de-structuring, followed by a stripping of the asphalt carried out.

