

# iBiotec<sup>®</sup>

MMCCO microchem<sup>®</sup>

**MANUFACTURER OF TECHNICAL AEROSOLS AND PRODUCTS FOR INDUSTRY  
PROCESSES – MRO – MAINTENANCE  
ALTERNATIVE SOLVENTS – CMR SUBSTITUTION**

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**2 FONCTIONS  
Anti-stick and De-bituminizing  
EMULSIFIABLE  
for ASPHALT MIXING PLANTS  
LOCATIER SKIPS**

*Solvétal<sup>®</sup>*

**DBE 250**

**Used undiluted, HIGHLY DE-BITUMINIZING  
To be used 30% in water  
DE-BITUMINIZING AND ANTI-STICK**



**2 functions  
Can be used pure or diluted  
Improves safety at work  
Made from new generation vegetable-based esters  
Fully biodegradable**



## DESCRIPTION

**SOLVETAL® DBE 250** is a concentrated fluid for the anti-sticking and de-bituminizing treatment, for the manufacture and transport of road surfaces.

**SOLVETAL® DBE 250** is a cleaning fluid specifically developed to replace low flash point or smoke generating vegetable-based esters. It immediately meets the expectations of Branch Managers, Safety Coordinators and Operations Managers not only in terms of safety at work, hygiene and the environment, but also in terms of performance and compatibility with the equipment and its environment.

## PHYSICAL AND CHEMICAL PROPERTIES

| PROPERTIES                  | STANDARDS       | VALUES | UNITS              |
|-----------------------------|-----------------|--------|--------------------|
| Appearance                  | Visual          | Liquid | -                  |
| Solubility in water         | -               | 100    | %                  |
| Colour*                     | Visual          | -      | -                  |
| Odour                       | Olfactory       | Weak   | -                  |
| Density at 25°C             | NF EN ISO 12185 | 885    | kg/m <sup>3</sup>  |
| Freezing point              | ASTM D 97       | -33    | °C                 |
| Kinematic viscosity at 40°C | NF EN 3104      | 4.5    | mm <sup>2</sup> /s |
| Refractive index            | NF EN ISO 6320  | 1.4560 |                    |

## PERFORMANCE CHARACTERISTICS

| PROPERTIES                    | STANDARDS       | VALUES | UNITS  |
|-------------------------------|-----------------|--------|--------|
| De-bituminizing time          | Internal method | 5'30"  | mn.sec |
| Fuel oil de-bituminizing time | Internal method | 5'45"  | mn.sec |

## FIRE SAFETY PROPERTIES

| PROPERTIES   | STANDARDS                    | VALUES        | UNITS       |
|--|------------------------------|---------------|-------------|
| Vacuum flash point   | EN ISO 2592                  | 202           | °C          |
| Self-ignition point  | ASTM E 659                   | >250          | °C          |
| Lower explosive limit  | -                            | Non-explosive | % (v/v)     |
| Upper explosive limit  | -                            | Non-explosive | % (v/v)     |
| Vapour pressure  | -                            | <0.01         | kPa at 20°C |
| Content of explosive, oxidizing, flammable, highly or extremely flammable substances | EEC Regulation 1272/2008 CLP | Total absence | -           |

## TOXICOLOGICAL PROPERTIES

| PROPERTIES   | STANDARDS   | VALUES | UNITS   |
|--------------|-------------|--------|---------|
| Iodine value | NF EN 14111 | 109    | g/100 g |

|  |                              |                      |              |
|--|------------------------------|----------------------|--------------|
| Totox (Anisidine Index + 2x Incide Peroxide)   | -                            | 09:56                | -            |
| Accelerated oxidability test (Rancimat test)   | NF ISO 6886                  |                      |              |
| - Flow rate  |                              | 10                   | L/h          |
| - Temperature  |                              | 100                  | °C           |
| - Time   |                              | 2.6                  | h            |
| Content of toxic, very toxic, carcinogenic, mutagenic, reprotoxic, harmful, irritant or corrosive substances | EEC Regulation 1272/2008 CLP | Total absence        | -            |
| <b>ENVIRONMENTAL PROPERTIES</b>  |                              |                      |              |
| <b>PROPERTIES</b>  | <b>STANDARDS</b>             | <b>VALUES</b>        | <b>UNITS</b> |
| Biodegradability   | OECD TEST 301 B              | Easily biodegradable | -            |
| VOC (Volatile Organic Compounds) content   | -                            | 0                    | %            |
| Solvent content  | -                            | 0                    | %            |
| Environmentally hazardous substances content   | EEC Regulation 1272/2008 CLP | Total absence        | -            |

#### PRECAUTIONS FOR USE

Store under cover in temperate environments before use. Do not apply the product in large quantities or using a drum. Preferably use a sprayer. In case of any accidental spillage on newly laid surfaces, rinse the surfaces immediately and thoroughly with water. The primary function of this product is to remove bitumen. Do not apply to asphalt before and after laying. Use pure or diluted in water. Do not mix with fuel oil, which is classified as carcinogenic. Do not use as a bodywork detergent.

#### APPLICATIONS

| <b>FUNCTIONS</b> | <b>SUPPORTS (equipments or hardware) concerned</b>  |
|------------------|---|
| Anti-stick       | <ul style="list-style-type: none"> <li>▶ Skips, shuttles or scraper conveyors for transporting asphalt</li> <li>▶ Trucks skips</li> </ul>   |
| De-bituminizing  | <ul style="list-style-type: none"> <li>▶ Metal parts with bitumen</li> <li>▶ Metal parts with grease</li> <li>▶ Laboratory glassware with emulsion or bitumen</li> <li>▶ Soiled clothes</li> <li>▶ Soiled gloves</li> <li>▶ Soiled shoes</li> <li>▶ Bitumen filter</li> </ul> |

#### DIRECTIONS FOR USE

Use diluted for truck skip spray booms. To be used 30% in water or undiluted, determined according to the asphalt composition. For cleaning operations, use undiluted by spraying or brushing, leave to act and then rinse with water.

**Container GRV 1000 L**



**Drum 200 L**



**Can 20 L**



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Consulter la fiche de données de sécurité.

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