



# CATALOGUE OF SOLUTIONS



INDUSTRY  
SECTOR



liveBio!

	DD456	DD474	DD4116	DD4126	DD4107	DD484	DD486	DD4119	DD410	WA526	DD4129	MT127
<b>TYPE OF DIRT</b>												
General dirt												
Oils in general, dust, grease, industrial oils												
Oils in general, grease, animal/vegetal oils												
Hydrocarbons												
Scale												
Rust												
Resins, paints, inks												
<b>TYPE OF APPLICATIONS</b>												
Manual												
Automatic: scrubbing machine												
Automatic: lance / pressure washing / steam, etc.												
Immersion: baths and industrial washing												
Dosage	Ready to use	0.5 - 5%	0,5 - 25%	Ready to use	2.5 - 5 %	5 - 20%	50% - Pure	Ready to use	10 - 50%	1 - 3%	Ready to use	Ready to use
Foam	Light	No	Light	No	No	Light	No	No	Light	No	Light	--
<b>FEATURES AND CERTIFICATIONS</b>												
Exempt from hazardous labelling												
Biological												
Green chemistry												
European Ecolabel												
Ecodesign												
NSF												
VOC content	5.97%	0%	0%	11%	0.65%	9.51%	85.13%	0%	0%	0%	0.01%	0%
Silicone content	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>INTERACTION BETWEEN SURFACES AND MATERIALS</b>												
Plastic and Plexiglas (gaskets, surfaces, plates)												--
Aluminium												--
Other metals (iron, copper, galvanised products)												--
Varnishes, resins, paints												--
<b>PRODUCT PURPOSE</b>												
Detergent												
Degreaser												
Solvent												
Descaling												
Protector												
Absorbent												
<b>SECTORS</b>												
Industry (automotive, metal, naval, etc.)												
Food industry												

Suitability level: high medium low



live Bio!

# INDUSTRY SECTOR



CATALOGUE of SOLUTIONS

CODE	NAME	FORMAT	PACKAGING	DESCRIPTION	DOSAGE AND APPLICATION	WHY IS IT DIFFERENT?	TECH. SHEET AND VIDEO
DD 456-IND	ENZYMATIC MULTI-PURPOSE CLEANER	750 ml 10 L	8 bottles box 65 boxes pallet 60 jerrycans pallet	<ul style="list-style-type: none"> <li>Effective cleaner and degreaser that includes enzymatic biological properties for all types of surfaces.</li> </ul>	<p><b>Ready to use</b></p> <ul style="list-style-type: none"> <li>Apply directly and let it act for a few seconds. Remove with a cloth.</li> </ul>	<ul style="list-style-type: none"> <li>Biological: contains Enzymes</li> <li>Ecological: Ecolabel and Ecodesign</li> <li>Certified for Food industry - NSF</li> <li>Exempt from hazardous labelling</li> <li>European Award for the Environment</li> </ul>	
DD 474-IND	MACHINE ECO-DETERGENT	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Detergent specially designed for use in automatic scrubber machines.</li> </ul>	<p><b>0,5 - 2%</b></p> <ul style="list-style-type: none"> <li>Use in automatic scrubber machines.</li> </ul>	<ul style="list-style-type: none"> <li>Biological: contains Enzymes</li> <li>Ecological: Ecolabel and Ecodesign</li> <li>Certified for Food industry - NSF</li> <li>European Award for the Environment</li> <li>Very effective at low dosages</li> </ul>	
DD 4116	INDUSTRIAL ECO-DETERGENT	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Concentrated industrial degreaser and detergent for large-scale surfaces, machinery and utensil cleaning in a quick, safe and effective way.</li> </ul>	<p><b>0,5 - 25%</b></p> <ul style="list-style-type: none"> <li>Apply, let it act and rinse.</li> </ul>	<ul style="list-style-type: none"> <li>Biological: contains Enzymes</li> <li>Ecological: Ecolabel and Ecodesign</li> <li>Certified for Food industry - NSF</li> </ul>	
DD 4126	ECOSOLVENT ZERO	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Non-hazardous solvent (exempt from hazardous labelling), with a low VOC contain, suitable for cleaning, degreasing and ink stain elimination operations from surfaces in the industry.</li> </ul>	<p><b>Ready to use</b></p> <ul style="list-style-type: none"> <li>Apply directly and let it act for a few seconds. Remove with a cloth.</li> </ul>	<ul style="list-style-type: none"> <li>Alternative to hazardous solvents</li> <li>Exempt from hazardous labelling</li> <li>Non-flammable</li> </ul>	
DD 4107-IND	ANTICORROSIVE DETERGENT	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Concentrated, moderately alkaline cleaner to use in elimination of all type of grease and dirt. Anticorrosive protection and moderate foaming.</li> </ul>	<p><b>0,5 - 5%</b></p> <ul style="list-style-type: none"> <li>Dilute with water. Immerse or spray onto surfaces. Let it act, rinse and remove the remaining dirt.</li> </ul>	<ul style="list-style-type: none"> <li>Biological: contains Enzymes</li> <li>Ecological: Ecodesign</li> <li>Anticorrosive protección</li> <li>Water based, free of solvents</li> <li>Suitable for cold and hot conditions</li> </ul>	
DD 484-IND	HC BIO CLEANER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Cleaning product that combines microorganisms for floor cleaning stained with oils, hydrocarbons and grease.</li> </ul>	<p><b>5 - 10%</b></p> <ul style="list-style-type: none"> <li>Spray onto the surface and let act. Then, rinse with abundant water.</li> </ul>	<ul style="list-style-type: none"> <li>Biological: contains Enzymes and Microorganisms</li> <li>Ecological: Ecodesign</li> </ul>	



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# INDUSTRY SECTOR



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CODE	NAME	FORMAT	PACKAGING	DESCRIPTION	DOSAGE AND APPLICATION	WHY IS IT DIFFERENT?	TECH. SHEET AND VIDEO
DD 486	RESIN CLEANER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Effective solvent of resin and ink on dry marks and porous materials. Formula selected for its environmentally friendly components.</li> </ul>	<p><b>10 - 100%</b></p>  <ul style="list-style-type: none"> <li>Apply directly and let it act for a few seconds. Remove with a cloth.</li> </ul>	<ul style="list-style-type: none"> <li>Ecological: Ecodesign</li> <li>Non-flammable</li> </ul> 	
DD 419	SOLVENT ZERO	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Dielectric cleaner, evaporates leaving no residue, of great degreasing power, for cleaning and degreasing of parts, equipment and electromechanical pieces</li> </ul>	<p><b>Ready to use</b></p>  <ul style="list-style-type: none"> <li>Apply directly and let it act for a few seconds. Remove with a cloth.</li> </ul>	<ul style="list-style-type: none"> <li>Ecological: Ecodesign</li> <li>Exempt from VOC</li> </ul>  	
DD 410	DEGREASER - DEOXIDIZER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Degreasing cleaner with high deoxidizing properties to be applied on rusty metal surfaces.</li> </ul>	<p><b>10 - 50%</b></p>  <ul style="list-style-type: none"> <li>Dilute with water. Immerse or spray onto the surfaces. Let it act, rinse and remove the remaining dirt.</li> </ul>	<ul style="list-style-type: none"> <li>Two-in-one: degreaser and deoxidizer</li> <li>Biodegradable product</li> </ul>	
WA 526	SHW CLEANER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Chemical preparation based on a mixture of inorganic acids and cationic polymers designed to be used in pipe installation treatment and in sanitary water storage (cold or hot) affected by Legionella Control Regulations.</li> </ul>	<p><b>0,5 - 3%</b></p>  <ul style="list-style-type: none"> <li>Introduce the product in the SHW system using a pump and keep circulating approximately for 30-45 minutes. After the application, rinse with water.</li> </ul>	<ul style="list-style-type: none"> <li>Ecological: Ecodesign</li> <li>High performance due to its low dosage.</li> </ul> 	
DD 4129	ANTISCALE CLEANER ZERO	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> <li>Multiaction cleaner that combines antiscaling, anti-deposit and sanitising effects. Not hazardous product (exempt from hazardous labelling and hazard statements). Designed for daily cleaning and maintenance of scale and light oxidations in the industrial sector.</li> </ul>	<p><b>Ready to use</b></p>  <ul style="list-style-type: none"> <li>Apply directly and let it act for a few seconds. Remove with a cloth.</li> </ul>	<ul style="list-style-type: none"> <li>Ecological: Ecodesign</li> <li>Exempt from hazardous labelling</li> <li>Exempt from VOC</li> </ul>   	
MT 127-IND	ORGANIC ABSORBENT	4-5 Kg	24 buckets pallet	<ul style="list-style-type: none"> <li>Absorbs and encapsulates a wide variety of oils, solvents, fuels and other organic fluids.</li> </ul>	<p><b>Ready to use</b></p>  <ul style="list-style-type: none"> <li>Form a barrier around with the product, cover the stain, scrub and remove.</li> </ul>	<ul style="list-style-type: none"> <li>Selective: does not absorb water</li> <li>Ecological: natural peat</li> <li>Exempt from hazardous labelling</li> </ul> 	 



ECO RANGE

# ENZYMATIC MULTI-PURPOSE CLEANER

DD 456-IND

Product that combines enzymatic biological properties that degrade organic matter along with degreasing properties. Allows for effective cleaning and degreasing of all types of surfaces quickly, easily, and efficiently. With European Ecolabel.



WHERE

## APPLICATIONS

- Industrial degreasing at facilities.
- Daily cleaning of surfaces.
- General multi-purpose cleaner that meets sustainability requirements focused on Green Public Procurement.
- Cleaning of petrol pumps and metal surfaces stained with hydrocarbons.
- Degreaser for all types of machinery components in an easy, fast and effective way.
- Suitable for daily cleaning of material such as steel, plastic, glass, marble, ceramic and fabric.

HOW

## HOW TO USE

Surfaces and countertops: apply directly and allow it to work for a few seconds. Then remove with a clean, damp cloth and dry with a dry cloth. On glass and crystal, spread around and wipe with a dry cloth. Do not use on painted or varnished enamel surfaces or on sensitive plastics without testing it beforehand.

WHEN

## DOSAGE

Ready to use.

With enzymes

## BENEFITS

- ✓ **Economical product:** high performance multi-purpose cleaner that is fast acting, saves product and time
- ✓ **Proven effectiveness:** European Ecolabel product, quality assurance and environmental improvement
- ✓ **Biological action:** excellent cleaner due to its enzymes
- ✓ **Safe to use:** not classified as hazardous
- ✓ **Environmental improvement:** ecodesigned product, it preliminarily breaks down organic matter due to its biological action
- ✓ **Free of phosphates:** does not contribute to eutrophication of surface water
- ✓ **Other benefits:** faster cleaning and a higher quality finish on all types of surfaces

METAL INDUSTRY. GENERAL INDUSTRY.



# DD 456-IND - ENZYMATIC MULTI-PURPOSE CLEANER



## FEATURES

- Detergent with **enzymatic properties** and **degrading and degreasing activity** that break down organic matter and industrial dirt. It degreases all types of machinery, semi-finished and finished parts, workstations and large surfaces quickly, safely and effectively.
- Suitable for **all surfaces**, does not attack materials (aluminium, steel, iron, plastic, plexiglass, glass, etc.)
- **Exempt from hazardous labelling**, not dangerous for human health, the environment and materials. Ecodesigned and with European Ecolabel. European Business Award for the Environment.

## WHERE TO APPLY

- Daily cleaning of surfaces, machinery, pieces and work surfaces. Multi-purpose cleaner for general use.
- Cleaning of tools and surfaces with organic dirt, specially industrial-grease and oil based dirt.

## DOSAGE AND FORMAT

- Ready to use. 750 ml spray bottle and 10 litre jerrycan.
- Industrial technical product with specific performances.*



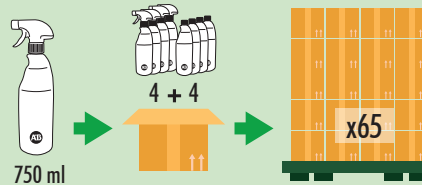
## TECHNICAL SPECIFICATIONS

Features	Value
Physical state at 20°C	Fluid liquid
Colour	Green
Odour	Characteristic of the formula
Density	980 - 1,000 kg/m <sup>3</sup>
pH	10.5 – 11.5
Flash point	NON-flammable
VOC content	5.97 % by weight
Water solubility	Soluble
Biodegradability	Biodegradable
Silicones	0%



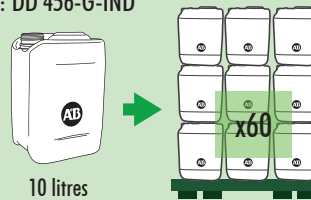
## SHIPPING FORMAT

REF: DD 456-S-IND



- 8 bottles per box:  
4 sprayers and  
4 refills
- Box size:  
285x205x300 mm
- 65 boxes per pallet
- 13 boxes per layer, 5  
layers per pallet

REF: DD 456-G-IND



- Jerrycan size:  
220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer,  
3 layers per pallet



## BENEFITS AND REGULATIONS

- ✓ Free from silicones.
- ✓ European Business Award for the Environment.
- ✓ It does not generate hazardous waste for the environment or the health.
- ✓ Exempt from hazardous labelling. Very effective: cleans all materials in a fast way, allowing the user rule out the traditional industrial degreasers which are hazardous for the health and the environment.
- ✓ The sprayer does not contain metal parts. The container has been specially selected for easy recycling, not generating hazardous waste.



## ACCESSORIES



MQ 17 - Plastic Tap

MQ 53 - Sprayer cleaner 750 ml



## CONTACT

Manufactured by:  
A&B Laboratorios de Biotecnología S.A.U.  
C/ Paduleta esq. c/ Júndiz, s/n - 01015 Vitoria-Gasteiz (Spain)  
www.ab-laboratorios.com - atcliente@ab-laboratorios.com - T: +34 945.291.616





ECO RANGE

# MACHINE ECO DETERGENT

DD 474-IND

Detergent with biological ingredients specially designed for use in automatic scrubber machines. Formula selected for its environmentally friendly components. With European Ecolabel.



## APPLICATIONS

- Industrial degreasing and degreasing of large areas with automatic scrubber machines.
- The product meets sustainability requirements focused on Green Public Procurement.

## HOW TO USE

Mix the product with water in the scrubber machine's tank. It can be used in all types of scrubber machines or high pressure cleaners. Suitable for use in pressure washers.

## DOSAGE

Dosage shall depend on the existing dirt:

- Normally soiled: 0.5 %
- Heavily soiled: 2 %

Do not dilute the product more than 5%.

Tank volume	Normally soiled	Heavily soiled
50 litres	250 ml of product	1000 ml of product
80 litres	400 ml of product	1600 ml of product
100 litres	500 ml of product	2000 ml of product

# Faster, higher quality washes

## BENEFITS

- ✓ **Lower dosages** and faster acting: saves product and time
- ✓ **Proven effectiveness:** European Ecolabel, quality assurance and environmental improvement
- ✓ **Biological action:** its enzymes increase its effectiveness as a detergent
- ✓ **Safe to use:** 0% VOCs
- ✓ **Environmental improvement:** ecodesigned product, it preliminarily breaks down organic matter due to its biological action
- ✓ **Other benefits:** specially formulated for quicker washes and a higher quality finish

**GENERAL INDUSTRY. AUTOMOTIVE INDUSTRY. ASSEMBLY.**

WHERE

HOW

WHEN



# DD 474-IND - MACHINE ECO-DETERGENT



## FEATURES

- **Industrial degreasing detergent** suitable for large scale cleaning and specially in automatic scrubber machines and pressure washers.
- Formulated **with biological ingredients** selected for a environmentally friendly action.
- Suitable for **any type of automatic scrubber machine or pressure washers**.
- **Its enzymes enhance the detergent power**.
- **0% VOC content**, which favours a more hygienic and safer environment.
- **Controlled foam**.

## WHERE TO APPLY AND DOSAGE

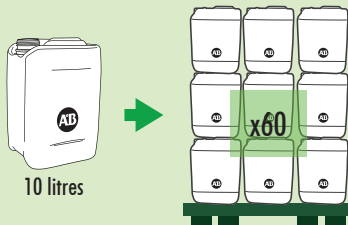
- **Mix the product with water in the tank of the cleaning machine.**
- For use and application, see the Application Protocol.
- **Recommended dosage 0.5% - 5%.**
- **Never exceed 5% of dosage**



Industrial technical product with specific performances



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## BENEFITS AND REGULATION

- ✓ Free from silicones.
- ✓ European Business Awards for the Environment. Basque section.
- ✓ The reduced dosages and the rapidity of use allow to save product and working time.
- ✓ European Ecolabel, guarantee of environmental improvement.
- ✓ HACCP Programme: usage before disinfecting improves its action, registry NSF A1 for Food Industry.
- ✓ Ecodesigned product, preliminarily breaks down organic matter due to its biological action.
- ✓ Suitable degreaser for industry in general and particularly for the AUTOMOTIVE sector.
- ✓ It meets sustainability requirements focused on Green Public Procurement.



## TECHNICAL SPECIFICATIONS

Features	Value
Aspect	Homogeneous fluid
Colour	Rose
Odour	Fruity
Density	1,000 – 1,050 kg/m <sup>3</sup>
pH	11.0 – 11.5
Flash point	NON-flammable
VOC content	0 %
Foaming capacity	Low (<20%)
Silicones	0 %



## ACCESSORIES

- MQ17- Plastic Tap
- MQ31- Ecomix (High Flow)



MQ 17



MQ 31



## CONTACT

Manufactured by:  
**A&B Laboratorios de Biotecnología S.A.U.**  
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[www.ab-laboratorios.com](http://www.ab-laboratorios.com) - [atcliente@ab-laboratorios.com](mailto:atcliente@ab-laboratorios.com) - T: +34 945.291.616







# INDUSTRIAL ECO-DETERGENT

DD 4116

Concentrated industrial degreaser and detergent for large-scale surfaces, machinery and utensil cleaning in a quick, safe and effective way. SUITABLE FOR FOOD INDUSTRY, A1-NSF registry.



WHERE

## APPLICATIONS

- Suitable for cleaning of any type of material, e.g. stainless steel, plastic, glass, ceramic, etc.
- Suitable for washing of semi-manufactured and finished components.
- Suitable for utensils and surfaces soiled with organic dirt, specially industrial oil and grease.
- It may be used on steam cleaning machines.
- The product meets sustainability requirements focused on Green Public Procurement.

HOW

## HOW TO USE

**Cleaning of machinery:** apply the diluted product (see dosages) by spraying (MQ15) subsequently removing excess of dirt and product manually with a cloth or water.

**Cleaning of industrial floors:** apply the diluted product (see dosages) by application systems (MQ18) letting it sit for a few minutes and then rinsing it with clean water. If the floor is heavily soiled, mechanical means may be necessary in addition to the product, such as a cleaning brush or power washer.

WHEN

## DOSAGE

- Dosage depends on the existing dirt:
- Normally soiled: 0.5%
  - Heavily soiled: 5% - 25%

No pictogram

## BENEFITS

- ✓ **Lower dosages** and faster acting: saves product and time
- ✓ **Biological action:** its enzymes increase its effectiveness as a detergent
- ✓ **Safe to use:** 0% VOCs, not classified as hazardous
- ✓ **Environmental improvement:** ecodesigned product, it can pre-degrade organic matter
- ✓ **Other benefits:** specially formulated for faster washes and a higher quality finish

*AUTOMOTIVE. FOOD INDUSTRY. PLASTIC INDUSTRY. METALLURGY.*



# DD 4116 - INDUSTRIAL ECO-DETERGENT



## FEATURES

- **Concentrated industrial degreasing detergent** suitable for cleaning large surfaces and machinery, tools and surfaces quickly, safely and effectively.
- Particularly suitable **for cleaning materials** such as stainless steel, plastic, glass and ceramics.
- Cleans effectively removing organic residues.
- Its enzymes **increase its detergent power**.
- **0% VOC**, favours a more hygienic and safe working environment.
- **Formulated with biological ingredients** selected for an environmentally friendly performance.
- **Exempt from hazardous labelling**, not dangerous for human health, the environment and materials. Ecodesigned.

## WHERE TO APPLY AND DOSAGE

- **Daily cleaning** of surfaces, machinery, pieces and work surfaces. Multi-purpose cleaner for general use.
- **Cleaning of tools and surfaces** with **organic dirt**, specially industrial-grease and oil based dirt.
- The product can be used with **dry steam cleaners**.
- For use and application, refer to the Application Protocol.
- **Recommended dosage 0.5% - 25%**.



Industrial technical product with specific performances.



## TECHNICAL SPECIFICATIONS

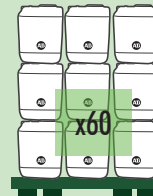
Feature	Value
Physical state at 20°C	Fluid liquid
Colour	Yellowish
Odour	Characteristic of the formula
Density	1,000 – 1,100 kg/m <sup>3</sup>
pH	10.6 – 11.4
Flash Point	NON-flammable
VOC content	0 %
Silicones	0 %



## SHIPPING FORMAT



10 litres



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## BENEFITS AND REGULATIONS

- ✓ Free from silicones.
- ✓ The reduced dosages and the rapidity of use allow to save product and working time.
- ✓ Environmentally friendly product and preliminarily breaks down organic matter due to its biological action.
- ✓ It meets sustainability requirements focused on Green Public Procurement.
- ✓ Exempt from hazardous labelling. Very effective: cleans all materials in a fast way, allowing the user rule out the traditional industrial degreasers which are hazardous for the health and the environment.



## ACCESSORIES

- MQ17- Plastic Tap
- MQ15- Sprayer 0.5 L
- MQ38- Tank sprayer 7 L
- MQ19- Dispensing Bottle
- MQ51- Automatic dispenser (Low flow)
- MQ31- Automatic dispenser (High flow)



MQ 17



MQ 15



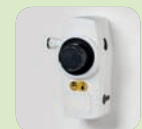
MQ 38



MQ 19



MQ 51



MQ 31



## CONTACT

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## ECOSOLVENT ZERO

DD 4126

Non-hazardous solvent (exempt from hazardous labelling), with a low VOC contain, suitable for cleaning, degreasing and ink stain elimination operations from surfaces in the industry. Effective alternative to common hazardous solvents used in the industry, such as methylene dichloride, acetone, alcohol, N-methyl-2-pyrrolidone, etc. Contains anticorrosive agents to protect metal surfaces during the cleaning process.

WHERE

### APPLICATIONS

- Cleaning of industrial equipment and machinery stained with oils, machining fluids, marker inks, etc.
- Suitable for metal surface cleaning before being painted.
- Especially suitable and tested for cleaning of stamping dies.
- Water-based alternative to traditional solvents (methylene dichloride, acetone, N-methyl-2-pyrrolidone, etc.) for cleaning of painted surfaces of machines or industrial parts impregnated with oil or marked with ink.

HOW

### HOW TO USE

Apply spraying (MQ53-Sprayer 750ml or MQ39-Tank 1.5 litres) or with an impregnated cloth on the surface. Wipe a clean rag to remove the remaining dirt.  
Let evaporate.

WHEN

### DOSAGE

Ready to use.  
Fill the containers using the tap (MQ17).

*Exempt from  
hazardous  
labelling*

## BENEFITS

- ✓ **Low VOC:** selected water-based formula with a low content of volatile compounds and effective alternative to traditional solvents
- ✓ **Effectiveness:** high degreasing power with a quick evaporation
- ✓ **Safe to use:** exempt from hazardous labelling. Non-flammable (>61°C)
- ✓ **Free** of silicones, aromatic solvents, chlorine, etc.
- ✓ **Other benefits:** high anticorrosive protection

**METAL INDUSTRIES.**



# DD 4126 - ECOSOLVENT ZERO



## FEATURES

- **Multi-purpose solvent, exempt from hazardous labelling**, low VOC content, perfect for cleaning, degreasing and elimination of residues (including markings) from metal components and mechanical parts.
- Produced with an **environmentally friendly formulation**, it is a **safe alternative to traditional toxic and hazardous solvents** such as chlorinated compounds, acetone, NMP or alcohol.
- Contains **anticorrosive protectors** that protect metal surfaces during the cleaning process.
- Respects the **painting and the materials**: specially suitable for the preventive treatment of surfaces in painting processes.
- Its great **degreasing power, removal of resins and inks and its quick evaporation**, ensures a fast, effective cleaning process with savings regarding product and labour.
- Ecodesigned product.

## WHERE TO APPLY AND DOSAGE

- It respects most of the **paints and metallic materials**. In case of particularly delicate painted surfaces or other materials sensitive to degreasing processes, carry out a small test prior to application of the product.
- Apply the dosed product onto the surfaces. Let it act for a few seconds and remove with a microfiber cloth or paper. In case of persistent dirt, it may be necessary to increase the contact time or to repeat the cleaning operation.
- Ready to use.



Industrial technical product with specific performances.

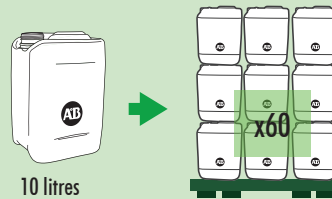


## TECHNICAL SPECIFICATIONS

Feature	Value
Physical state at 20°C	Homogeneous fluid. Slight settling may occur at rest.
Colour	Colourless. Free from added dyes.
Odour	Characteristic of the formula
Density	1,000 – 1,020 kg/m <sup>3</sup>
pH	10.5 – 11.5
Water solubility	Soluble
Flash Point	64°C
VOC content	11 %
Silicones	0 %



## SHIPPING FORMAT



10 litres

- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet

Other formats available upon request.



## ACCESSORIES



MQ 17



MQ 15

- MQ17- Plastic Tap
- MQ15- Sprayer 0.5 L
- MQ38- Tank sprayer 7 L
- MQ39- Tank sprayer 1.5 L



MQ 38



MQ 39



## BENEFITS AND REGULATIONS

- ✓ Free from silicones.
- ✓ It does not generate hazardous waste for the environment or the health.
- ✓ 89% less VOCs comparing to a traditional solvent
- ✓ Exempt from hazardous labelling. Very effective: cleans all materials in a fast way, allowing the user rule out the traditional industrial degreasers which are hazardous for the health and the environment.



## CONTACT

Manufactured by:  
**A&B Laboratorios de Biotecnología S.A.U.**  
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ECO RANGE

## ANTICORROSIVE DETERGENT

DD 4107-IND

Concentrated, moderately alkaline cleaner that eliminates all type of grease and dirt from mechanical, anticorrosive protection or polishing processes. Anticorrosive protection of ferrous metals and moderate foaming in automatic processes.



WHERE

### APPLICATIONS

- Cleaning and degreasing of metal surfaces and components from machining and transport processes.
- Final cleaning of materials before packaging.
- Industrial degreasing by immersion baths and washing machines in cold or hot water up to 80°C.
- In printing industries, easily removes water-based ink.

HOW

### HOW TO USE

- Manual application: spray the aqueous mix of the product onto the surface leaving it for some minutes and rinsing afterwards with water. If residues are persistent, it is strongly recommended rubbing to effectively remove them.
- Automatic application: the product can be used in automatic scrubber machines or component cleaning machines at temperatures up to 80°C.
- Application by immersion: dose the product in water and immerse to clean. Heat or cool as required.

After cleaning, it is highly recommended to rinse with clean water to favour a high quality finish of the components.

WHEN

### DOSAGE

- Manual application: 2 - 5% of the product in water depending on the amount of dirt to be removed.
- Automatic application: 0.5 - 2% depending on the amount of dirt to be removed.
- Application by immersion: 5%

## Metal cleaning and degreasing

### BENEFITS

- ✓ **Anticorrosive protection** on metal components
- ✓ **High moistening power**, good capacity to reduce surface tension
- ✓ **Easy rinsing** and dirt removal thanks to its dispersing power
- ✓ **Controlled foaming** for automatic and continuous processes
- ✓ **Environmental improvement**: water-based product, free of solvents

**METAL INDUSTRY. CLEANING COMPANIES.**



# DD 4107-IND - ANTICORROSIVE DETERGENT



## FEATURES

- **Concentrated degreasing detergent**, of moderate alkalinity, that eliminates any type of grease or dirt generated during mechanical processes, anticorrosive protection or polishing and enamelling works.
- **Anticorrosive protection** with controlled foaming action, in automatic processes for metal transformations.
- **Degreasing cleaning of metal surfaces** and metal components from mechanical transformation and transport.
- Final cleaning of materials before packaging.
- **Degreaser in immersion baths and washing machines**, cold or hot up to 80°C.
- Easily eliminates water based inks in the typographic sector.

## DOSAGE AND INSTRUCTIONS FOR USE

- **Automatic application:** it may be used in automatic cleaning machines or washing machines of metal components at temperatures between 15 and 80°C. **Recommended dosage: 0.5-2%.**
- **Immersion:** it may be used in ultrasound systems and in containers for manual washing. Dose the product in the immersion bath and adjust the temperature. After the cleaning, it is recommended to rinse with clean water to favour a good finish. **Recommended dose: 5%.**
- For more instructions for use and applications, see the Application Protocol.



Professional product with specific performances.



## TECHNICAL SPECIFICATIONS

Feature	Value
Aspect	Homogeneous fluid
Colour	Colourless
Odour	Fruity
Density	1,000 – 1,050 kg/m <sup>3</sup>
pH	11.0 – 11.5
Flash Point	NON-flammable
VOC content	0.65 %
Water solubility	Soluble
Silicones	0 %



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## ACCESSORIES

- MQ17- Plastic tap
- MQ19- Dispensing bottle
- MQ51- Automatic dispenser (Low Flow)
- MQ31- Automatic dispenser (High Flow)
- Component cleaning machine or ultrasound machine



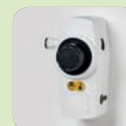
MQ 17



MQ 19



MQ 51



MQ 31



## BENEFITS AND REGULATIONS

- ✓ Anticorrosive protection applying the product on the metal components during the washing process.
- ✓ Great moistening power, good capacity of reducing the surface tension.
- ✓ Easy to rinse and quickly eliminates dirt thanks to its dispersing power.
- ✓ Detergent with controlled foaming for automatic and continuous processes.
- ✓ Water based product, does not contain solvents.
- ✓ Free from silicones.



## CONTACT





ECO RANGE

## HC BIO CLEANER

DD 484-IND

Biological liquid formula that combines microorganisms specially selected for their ability to degrade hydrocarbons (HC) and organic waste. Product developed through a research project for treating oil spills in areas contaminated by the Prestige. (PROFIT Programme-Ministry of Science and Technology-Exp. TEI-0164-2001)



WHERE

### APPLICATIONS

- Cleaning of hard, semi-porous surfaces stained by hydrocarbons and mineral oils in industrial sectors and the petrochemical industry.
- Quick clean up of spills on traffic-bearing floors (accidents, leaks, etc.). Specially useful in emergency procedures.
- Bioremediation agent for sites contaminated by hydrocarbons.

HOW

### HOW TO USE

Shake the product before use.

**For cleaning:** dilute the product in water to apply. Sprinkle using application equipment, let it sit (5-10 minutes), use mechanical help if needed, and rinse with water. If necessary, repeat the process on difficult surfaces, e.g. highly porous surfaces like concrete.

**For bioremediation:** please consult our Technical Department (Biology) to estimate the most appropriate dosage for the concentration of the hydrocarbons to be removed.

WHEN

### DOSAGE

Dosage depends on the existing dirt:

- Normally soiled: 5%
- Heavily soiled: 10%

*With active microorganisms*

## BENEFITS

- ✓ **Lower dosages** and faster acting: saves product and time
- ✓ **Effectiveness:** dissolves and disperses dirt facilitating deep cleaning of hard floors and surfaces
- ✓ **Biological action:** excellent cleaner due to its microorganisms that increase its effectiveness as a detergent
- ✓ **Environmental improvement:** ecodesigned product, it preliminarily breaks down organic matter due to its biological action
- ✓ **Other benefits:** reduces the environmental impact of oil spills

INDUSTRY.



# DD 484-IND - HC BIO CLEANER



## FEATURES

- **Cleaning of hard and semi-porous surfaces**, spilled with hydrocarbons and mineral oils in industrial and petrochemical sectors.
- **Suitable for cleaning of pavement** of service stations, industrial pavements, engineering and automotive workshops, etc.
- **High cleaning power** thanks to microorganisms that enhance the detergent power.
- **Ecodesigned product**, its biological formula combines selected microorganisms predegrades hydrocarbons and organic residues.
- The use of this product **reduces the environmental impact** of the hydrocarbon spills.

## WHERE TO APPLY AND DOSAGE

- **Shake the product before use.**
- For the instructions for use, see the Application Protocol.
- **For general cleaning and biorremediation, the recommended dosage is 5-25%.** For cleaning of floors of service stations (hydrocarbons), dose at 1-2%.
- The product may be used **for any type of hydrocarbon tank.**



Industrial technical product with specific performances.

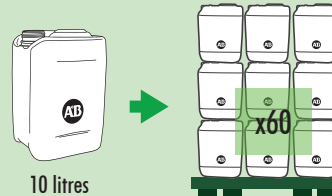


## TECHNICAL SPECIFICATIONS

Feature	Value
Aspect	Homogeneous fluid
Colour	Brown
Odour	Fruity
Density	1,000 – 1,050 kg/m <sup>3</sup>
pH	7.0 – 9.5
Biological capacity	>1 x 10 <sup>6</sup> ufc/ml
Flash Point	NON-flammable
VOC content	9.51 %
Silicones	0 %



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## BENEFITS AND REGULATIONS

- ✓ Reduced dosages and a quick application saves product and work time.
- ✓ Dissolves and disperses dirt favouring a profound cleaning of floors and hard surfaces.
- ✓ Great cleaning power thanks to microorganisms, that enhance the detergent power.
- ✓ Ecodesigned product, its biological ingredients predegrade organic matter.
- ✓ Reduces the environmental impact of hydrocarbon spills.
- ✓ The product was developed in a research project for the treatment of hydrocarbon discharges in the contaminated zones of the Prestige oil tanker.
- ✓ Dispersing agent promoter of the biodegradation of floating oils and fuel in harbours.



## ACCESSORIES

- MQ17- Plastic tap
- MQ15- Sprayer
- MQ38- Tank sprayer
- MQ19- Dispensing bottle
- MQ51- Automatic dispenser (Low Flow)
- MQ31- Automatic dispenser (High Flow)
- Scrubber machines



MQ 17



MQ 15



MQ 38



MQ 19



MQ 51



MQ 31

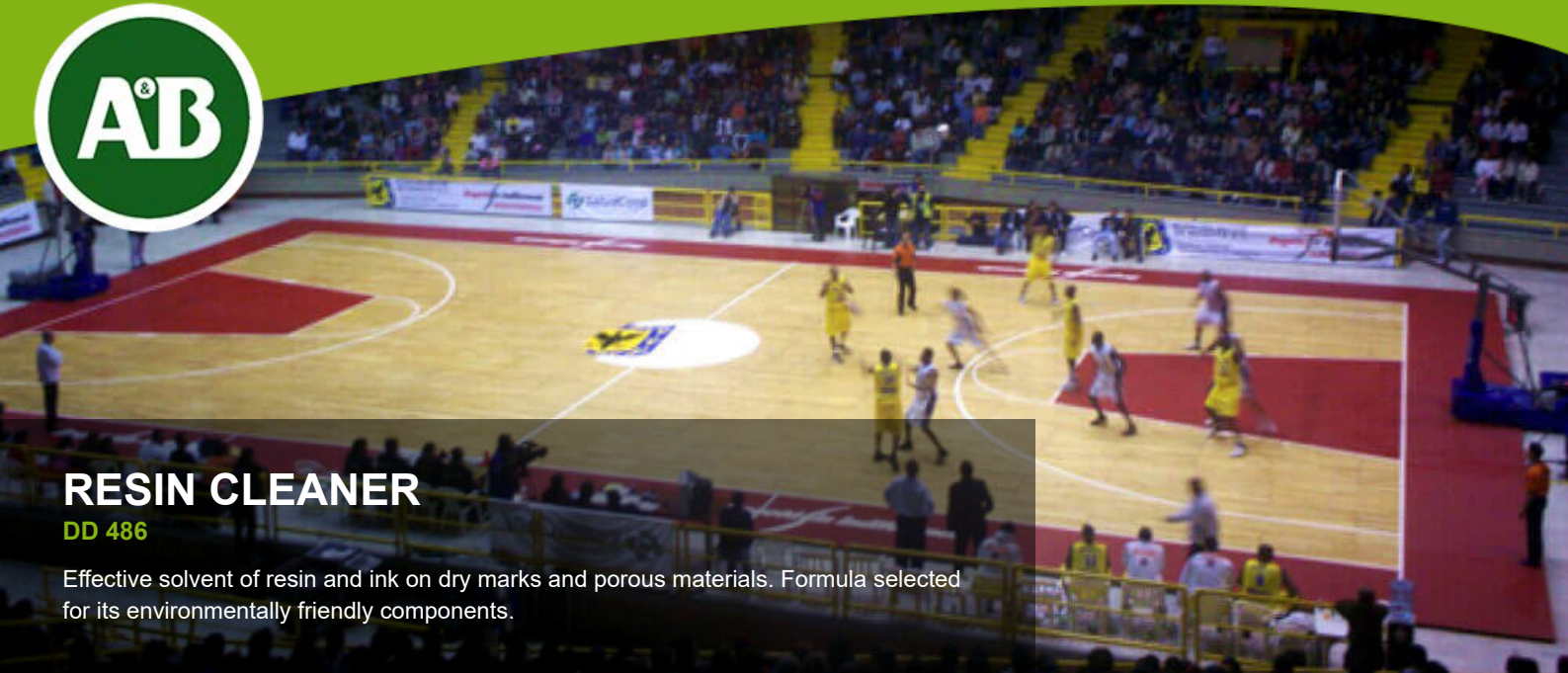


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# RESIN CLEANER

DD 486

Effective solvent of resin and ink on dry marks and porous materials. Formula selected for its environmentally friendly components.



WHERE

### APPLICATIONS

- Cleaning resin on floors in sports arenas.
- Cleaning ink-marked or stained surfaces at schools, educational institutions, offices, etc.
- Paint cleaner of paint projections in spray booths.
- Cleaning molds in the plastic industry.
- Removing adhesive remains on labeling equipment.
- Cleaning stainless steel surfaces.

HOW

### HOW TO USE

Apply the mixed product (see dosages) by spraying or using a damp cloth and let it sit for a few minutes. Scrub if necessary and rinse with water.

Certain inks or more resistant glues may require various applications. Solvent type product, may affect certain paints, plastics, and rubber, we recommend testing beforehand.

WHEN

### DOSAGE

Dose according to the type of ink and surface:

- Regular inks and glues and tough surfaces: apply product pure, not diluting.
- Non-resistant ink or delicate surfaces: from 10% to 50%.

## Diluting Cleaner

### BENEFITS

- ✓ **Does not contain silicone**
- ✓ **Soluble in water**, excellent diluting power and cleaning power, saves product and time
- ✓ **Effectiveness:** highly effective cleaner, degreaser, and ink, adhesives, and resin remover
- ✓ **Safe to use:** lower-risk substitute for universal solvents
- ✓ **Environmental improvement:** ecodesigned product, minimizes environmental impact
- ✓ **Other benefits:** doesn't leave stains or yellow surfaces

**SPORTS CENTRES. CLEANING COMPANIES. SCHOOLS.**



# DD 486 - RESIN CLEANER



## FEATURES

- Effective detergent that **cleans resins, varnishes, inks, adhesives and glue**, even when dry and in porous materials.
- It eliminates **dirt, traces and residue on surfaces, moulds and utensils** in a quick, safe and effective way.
- **Formula** selected for its **environmentally friendly ingredients**, represents a **safer alternative to traditional, toxic and hazardous solvents**.
- **Does not contain acetone, silicones or chlorinated ingredients**.
- Ecodesigned product.

## WHERE TO APPLY AND DOSAGE

- Apply the product on the surfaces. Let it act for a few seconds and remove with a cloth or paper. In case of persistent dirt, increasing the contact-time or repeating the operation may be necessary.
- **Product with solvent nature**, it can attack any type of varnish, plastic and rubber-material. It is strongly recommended to carry out a test before applying the product to verify the resistance of the materials in case of delicate surfaces.



Industrial technical product with specific performances



## TECHNICAL SPECIFICATIONS

Features	Value
Aspect	Homogeneous fluid
Colour	Green
Odour	Characteristic of the formula
Density	900 – 1,100 kg/m <sup>3</sup>
Water solubility	Emulsifiable
Flash point	38°C
VOC content	85.13 %
Silicones	0 %



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## BENEFITS AND REGULATIONS

- ✓ Free from silicones.
- ✓ Effective alternative to hazardous solvents, reduces the risks on users and the surfaces.
- ✓ High performance; unlike traditional solvents, it can be removed by rinsing or wiping. It reduces labour time of a normal cleaning, thanks to its easy applications and fast dirt-removing effect.
- ✓ Does not leave stains
- ✓ Specially designed for mould cleaning in the plastic industry, elimination of adhesives from labelling machines, cleaning of stainless metallic surfaces, paint-removing in paint-spraying booths.



## ACCESSORIES

- MQ17- Plastic Tap
- MQ15- Sprayer
- MQ38- Tank sprayer 7 L
- MQ39- Tank sprayer 1.5 L



MQ 17



MQ 15



MQ 38



MQ 39



## CONTACT



# SOLVENT ZERO

DD 4119

Dielectric cleaner, evaporates leaving no residue, of great degreasing power, for cleaning and degreasing of parts, equipment and electromechanical pieces.



## APPLICATIONS

- General use in industry as cleaning agent of primary components and degreasing of metals.
- Cleaning of generators, electric control gears, engine set of bobbings and maintenance of unplugged electric equipment.
- Degreasing of mechanical elements, parts in metal industry and storage tanks.
- Alternative to toxic and hazardous solvents.

## HOW TO USE

Apply by immersion, cleaning machines or by spraying onto the surfaces. Carry out a prior test on the materials such as plastics, resins or rubber.

## DOSAGE

Ready to use. Do not mix with water.

# 0% VOC

## BENEFITS

- ✓ **Low evaporation speed** that avoids product loss
- ✓ **Does not contain silicone**
- ✓ **Effectiveness:** alternative to traditional hazardous solvents, great dilution and degreasing power leaving no residue
- ✓ **Safe to use:** not classified as flammable, 0% VOC, exempt from chlorate or aromatic solvents
- ✓ **Environmental improvement:** degradable in air
- ✓ **Other benefits:** neutral product, does not attack most plastics or varnishes, low odour

**METAL INDUSTRY. GRAPHIC ARTS. WORKSHOPS. ALUMINIUM INDUSTRY.**

# WHERE

# HOW

# WHEN



# DD 4119 - SOLVENT ZERO



## FEATURES

- **Dielectric** cleaner of **low evaporation** for processes of industrial degreasing of oils and greases.
- **Not classified as hazardous by inhalation** and of low impact on materials.
- Does not attack metals or most of the plastics.
- **Effective alternative to traditional toxic and flammable solvents.** Free of chlorinated or aromatic solvents.

## WHERE TO APPLY AND DOSAGE

- General use in industry as cleaning agent of primary components and metals pieces in those processes in which water cannot be used.
- Cleaning of generators, engines, electric switchgears, motor windings and maintenance of unplugged electric devices.
- Ready to use.



Industrial technical product with specific performances



## TECHNICAL SPECIFICATIONS

Features	Value
Physical state at 20°C	Homogeneous fluid
Colour	Reddish
Odour	Characteristic of the formula
Density	805 – 825 kg/m <sup>3</sup>
Water solubility	Insoluble
Flash point	> 100°C
VOC content	0 %
Silicones	0 %



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## ACCESSORIES

- MQ17- Plastic Tap
- MQ15- Sprayer 0.5 L
- MQ38- Tank sprayer 7 L



MQ 17



MQ 15



MQ 38



## BENEFITS AND REGULATIONS

- ✓ Free from silicones.
- ✓ It does not generate hazardous waste for the environment
- ✓ 0% VOC, allows a working permite un ambiente de trabajo sin vapores, más higiénico y seguro.



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## DEGREASER - DEOXIDIZER

DD 410

Multifunctional cleaner of high degreasing and deoxidizing effect for metal surfaces attacked by rust.

WHERE

### APPLICATIONS

- In mechanical and metallurgical industries as a degreaser and deoxidizer all in one.
- Cleaning and degreasing of tanks, deposits, petrol tanker, etc.
- Degreasing and deoxidizing of all types of metals before painting.
- Removes metal anodizing.
- Favours cleaning of weld seams on stainless steel.
- Recovery of rejected or pieces stored outdoors.

HOW

### HOW TO USE

Dilute the product with water by manual dosing systems (MQ19) or automatic systems (MQ31; MQ48) as needed (see dosage). Use application systems (MQ15; MQ39; MQ18) onto the surfaces, let sit and rub if necessary. Rinse with water to remove remains.

Acid product, it can damage certain materials such as marble, concrete, iron, etc.

WHEN

### DOSAGE

Dose depending on the type of materials and remains to remove:

- Normal dosage: 50% in water
- Delicate materials, reactive metals and/or lightly soiled: 10-50%

*Special for metal surfaces*

## BENEFITS

- ✓ **Dilution ability and multifunctional effect** that saves time and work. It helps recover rusty components minimizing costs of possible waste
- ✓ **Effectiveness:** cleaning and deoxidation all in just one application
- ✓ **Multi-purpose:** cleaner, degreaser, deoxidizer and protector
- ✓ **Environmental improvement:** biodegradable product
- ✓ **Other benefits:** provides protection to treated metals for a few hours thanks to its phosphate ingredients

**METAL INDUSTRIES. CLEANING COMPANIES. CHEMICAL INDUSTRIES. PAINTERS.**



# DD 410 - DEGREASER - DEOXIDIZER



## FEATURES

- **3 in 1:** degreaser, deoxidizer and protector cleaner.
- Thanks to its **detergent and deoxidising power**, it removes rust, deposits and industrial dirt fast and effectively.
- **Temporary anticorrosive protection** that delays the appearance of rust over time.

## WHERE TO APPLY AND DOSAGE

- **Antiscale effect:** at 15%, it removes thin layers of industrial scale.
- **Antioxidant effect:** at 30-50%, it completely and easily removes rust from metal surfaces.
- **Degreasing and cleaning:** at the recommended dosages listed above, completely degreases metal surfaces and components before being painted.
- For more information on usage and application, see Application Protocol.



Industrial technical product with specific performances

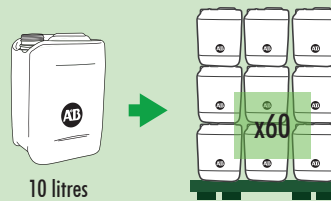


## TECHNICAL SPECIFICATIONS

Features	Value
Aspect	Homogeneous fluid
Colour	Brown
Odour	Characteristic of the formula
Density	1,240 - 1,300 kg/m <sup>3</sup>
pH	0.5 - 2.5 (at 5%)
Flash point	NON-flammable
VOC content	0 %
Water solubility	Soluble
Silicones	0 %



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## BENEFITS AND REGULATIONS

- ✓ Does not produce fumes. Does not contain hydrochloric or nitric acid.
- ✓ Free from silicones.
- ✓ Facilitates the recovery of discarded components during the production process due to corrosion and rusting.
- ✓ Degreasing, cleaning and deoxidising of metal components before being painted.
- ✓ Specific formula for cleaning of metals and alloys.
- ✓ It adds corrosion inhibitors for a safe cleaning with excellent results on steel, zinc and aluminium.
- ✓ 0% VOC, safer and more hygienic working spaces, free from fumes.
- ✓ Optimization of time and work for cleaning and deoxidising processes.



## ACCESSORIES

- MQ17- Plastic tap
- MQ15- Sprayer
- MQ38- Tank sprayer
- MQ19- Dispensing bottle
- MQ51- Automatic dispenser (Low Flow)
- MQ31- Automatic dispenser (High Flow)



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## SHW CLEANER

WA 526

Chemical preparation based on a mixture of inorganic acids and cationic polymers designed to be used in pipe installation treatment and in sanitary water storage (cold or hot) affected by Legionella Control Regulations.



WHERE

### APPLICATIONS

- In SHW and temperature-controlled water installations.
- In internal installations of cold water intended for human consumption (pipes, tanks or mobile tanks).
- In temperature-controlled water systems with continuous stirring and recirculation (spas, jacuzzis, swimming pools, therapeutic baths).
- Descaling agent in process installations of food industry.
- Maintenance of water network and cleaning agent of surfaces, filters and equipment in contact with water for human consumption.
- Maintenance of pipelines and elements of ornamental fountains and sprinkler irrigation systems.

HOW

### HOW TO USE

Introduce the product in the SHW circuit using a pump and keep circulating approximately for 30-45 minutes. After the application, rinse with water. It can be easily neutralized with the pH regulator WA 511. Due to the acidity of the product the pH of the water is lowered in the treated installation. This allows monitoring using the pH values. Use requirements under 98/83/EC and its successive amendments. Additional analytic control: after the treatment, the water may not be aggressive and the chloride level < PV.

WHEN

### DOSAGE

Depending on the amount of dirt and scaling: from 0.5 to 3%.



## Sanitary hot water (SHW)

### BENEFITS

- ✓ **High performance** due to its low dosage, additionally, it provides an optimal maintenance of pipelines and tanks, increasing the lifespan of the facilities and improving the thermic capacity of the system
- ✓ **Proven effectiveness:** great biodispersant power of limescale deposits and biofilms
- ✓ **Multi-purpose:** biodispersant, anti-scale and deoxidising effect
- ✓ **Safety in use:** does not contain hydrochloric acid nor nitric acid
- ✓ **Environmental improvement:** ecodesigned product, minimizes the environmental impact
- ✓ **Other benefits:** minimal foaming which favours rinsing

**SPAS. SPORT CENTRES. LEISURE CENTRES. HOTELS.**



## FEATURES

- **Descaling detergent for water systems** in the industrial sectors. In a single application, it eliminates scale, mineral residues and rust.
- **Concentrated product**, great performance thanks to its low dosage.
- **Dispersing effect** for a more effective cleaning; prevents deposits of dirt on the circuit walls.
- **Controlled foaming**, favours the final rinse after its use.

## DOSAGE AND INSTRUCTIONS FOR USE

- Ideal for **descaling** in closed systems with scale, rust and industrial grease problems.
- Very effective to **eliminate scale from surfaces and equipment**, dirt from filters, accessories, nozzles, obstructed devices and terminals with scale and dirt.
- For more instructions for use and applications, see the Application Protocol.
- **Recommended dosages:** closes systems 0.5-3%; surface applications: 30-50%.



Professional product with specific performances.

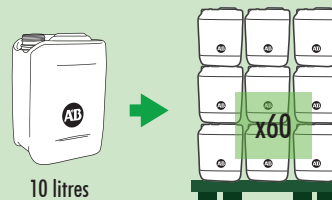


## TECHNICAL SPECIFICATIONS

Feature	Value
Aspect	Homogeneous fluid
Colour	Yellow
Odour	Characteristic of the formula
Density	1,260 – 1,310 kg/m <sup>3</sup>
pH	< 2.5
Flash Point	NON-flammable
VOC content	0 %
Silicones	0 %



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## BENEFITS AND REGULATIONS

- ✓ Free from hydrochloric acid and nitric acid.
- ✓ Does not emit fumes or vapours.
- ✓ Free from silicones.
- ✓ Its continuous use enhances the useful life of systems, does not attack materials and improves the system performance.
- ✓ Ecodesigned product: lower environmental impact comparing to products of the same category.
- ✓ Easy to apply, clean and descale, respecting materials.



## ACCESSORIES



MQ 17 - Plastic Tap



## CONTACT





# ANTISCALE CLEANER ZERO

DD 4129

Multiaction cleaner that combines antiscalc, anti-deposit and sanitising effects. Suitable for the food industry.

WHERE

## APPLICATIONS

- Cleaning alternative to strong acids for the elimination of scale, sediments and rust marks.
- Cleaning of utensils and surfaces in the food industry. Restores the glow to the surfaces. Suitable for Cleaning and Disinfection Programmes under HACCP Systems.
- Effective cleaning of equipment and machines in the food sector: packaging and bottling line, processing equipment, etc.
- Cleaner of general use that complies with the requirements of the Green Public Procurement.

HOW

## HOW TO USE

Spray the product onto the surfaces and let it act for a few minutes before wiping with a damp cloth. In case of persistent dirt, scrubbing may be necessary before removing the product. A regular use is recommended for optimal cleaning and sanitation.

WHEN

## DOSAGE

Ready to use.

## Antiscalc effect

### BENEFITS

- ✓ **HACCP Programmes:** prior use improves the action of the disinfectant
- ✓ **Multi-action:** removes stains of organic matter, sediments, scales and rust marks
- ✓ **Environmental improvement:** ecodesigned product, minimises the environmental impact throughout its life cycle
- ✓ **Safe to use:** not classified as hazardous
- ✓ **Other benefits:** great foaming power, suitable for vertical surfaces. Does not contain aromas

FOOD INDUSTRY



# DD 4129 - ANTISCALE CLEANER ZERO



## FEATURES

- **Multiaction cleaner** that combines antiscaling, anti-deposit and sanitising effects.
- **Not hazardous product** (exempt from hazardous labelling and hazard statements). Designed for daily cleaning and maintenance of scale and light oxidations in the industrial sector. Suitable for the food industry.
- Using it daily, it represents an **effective alternative to strong acids**, guaranteeing the removal of scale and light oxidations and creating a scale antideposit effect, delaying its formation.
- Does not attack metals, painted surfaces, plastics, etc.
- Carry out a previous test on sensitive and delicate surfaces to acid-based products.
- **Specific product for professional and industrial use.**

## WHERE TO APPLY AND DOSAGE

- Specially designed for cleaning surfaces and machinery in industrial manufacturing processes, bottling lines, assembly lines, food processing lines, etc.
- **Ready to use.**



Industrial technical product with specific performances.

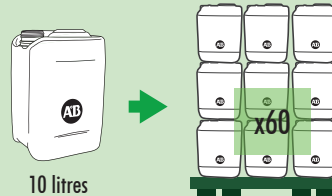


## TECHNICAL SPECIFICATIONS

Feature	Value
Physical state at 20°C	Homogeneous fluid
Colour	Colourless. Free of added colourants
Odour	Free of added essences
Density	1,000 - 1,006 kg/m <sup>3</sup>
pH	2 - 3
Flash Point	NON-flammable
VOC content	0 %
Silicones	0%



## SHIPPING FORMAT



- Jerrycan size: 220 x 180 x 300 mm
- 60 jerrycans per pallet
- 20 jerrycans per layer, 3 layers per pallet



## ACCESSORIES

- MQ17- Plastic Tap
- MQ15- Sprayer
- MQ38- Tank sprayer 7 L



MQ 17



MQ 15



MQ 38



## BENEFITS AND REGULATIONS

- ✓ Exempt from hazardous labelling: its formula is exempt from hazard statements, guaranteeing safety in its use. Suitable for all industrial surfaces.
- ✓ It reduces the use of PPE and does not generate hazardous waste for disposal.
- ✓ Exempt from hazard statements and very effective: cleans immediately all materials and in multiple situations, allowing the user to set aside dangerous traditional degreasers for human health and for the environment



## CONTACT



ECO RANGE

## ORGANIC ABSORBENT

MT 127-IND

Organic absorbent, selective of polar organic substances (hydrocarbons, solvents, oils, etc.) that absorbs and encapsulates immediately.



WHERE

### APPLICATIONS

- In emergency tasks and actions in the event of spills.
- Spill prevention agent, avoiding contamination.
- Removes and absorbs liquids that have been accidentally spilled at gas stations, shops, factories, transportation depots, etc.

HOW

### HOW TO USE

For spills on land, concrete, asphalt, etc., make a barrier around it with the product so it does not spread, cover the stain with the product, remove by scrubbing, sweeping with a broom, brush, etc., and sweeping it up or reusing it if not saturated.

In case of spills on water, proceed in the same way, then use nets, vacuums, etc. to collect the spill. In this case, using the pad (MT 127 A) and tubular (MT 127 T) varieties are recommended.

WHEN

### DOSAGE

Ready to use.

## Selective hydrocarbons

### BENEFITS

- ✓ **Highly absorbent product**, more than mineral absorbents like sepiolite and very selective when it comes to hydrocarbons and oils
- ✓ **Effectiveness**: absorbs, encapsulates without leaching, breaks down and limits vapours and odours
- ✓ **Biological action**: powerful ability to break down organic matter due to its microorganisms
- ✓ **Safe to use**: not classified as hazardous
- ✓ **Environmental improvement**: biodegradable product, it preliminarily breaks down organic matter due to its biological action
- ✓ **Other benefits**: based on natural plant substrates, light weight for better handling and more economical waste management

**METALWORKING INDUSTRY. ROAD MAINTENANCE. AUTOMOTIVE AND TRANSPORTATION.**



# MT 127-IND - ORGANIC ABSORBENT



## FEATURES

- **Selective industrial organic absorbent**, it absorbs and encapsulates a wide range of oils, hydrocarbons and solvents.
- **High absorbent and encapsulating action.**
- Suitable for emergencies against spillages and discharges in industries.
- Preventive agent against spillages **preventing contaminations.**
- It **eliminates and absorbs pollutants** that might have been spilled accidentally in petrol stations, workshops, factories, transport companies, etc.

## DOSAGE AND INSTRUCTIONS FOR USE

- **Ready to use.** Apply on the spillage and collect.
- Suitable for all types of surfaces, even spillages in water; thanks to its selective properties, encapsulates hydrocarbons and not aqueous liquids.
- It may be used in sewage treatment systems and recycle of industrial oils.
- For more instructions for use and applications, see Application Protocol.



Professional product with specific performances.



## TECHNICAL SPECIFICATIONS

Feature	Value
Aspect	Solid (fibres)
Colour	Brown
Odour	Slightly vegetal
Bulk density	1,100 kg/m <sup>3</sup>
Absorption capacity (Diesel)	8 - 9 litres / kg
Absorption capacity (oil - low viscosity)	5 - 6 litres / kg
VOC content	0 %

\*The pad and tubular formats are made up of natural cotton.



## SHIPPING FORMAT

### 4.5 Kg Bucket

- 24 buckets/pallet (4 layers)
- Container size: diameter 380x400 mm.



### Tubular (Diameter 50 x 140)

- 10 unit-Box - 25 boxes (250 units) /pallet (5 layers)
- Box size: 40x24x30 cm.



### Pads (450 x 450)

- 6 unit-Box - 25 boxes (150 units) /pallet (5 layers)
- Box size: 40x24x30 cm.



## BENEFITS AND REGULATIONS

- ✓ Great absorption capacity, far greater than mineral absorbents.
- ✓ Selective of hydrocarbons and oils.
- ✓ Does not absorb water. Remains on the surface even after the absorption.
- ✓ Absorbs and encapsulates without leaching.
- ✓ Not classified as hazardous.
- ✓ Limits vapour and odours.
- ✓ Product of natural origin.
- ✓ Biodegradable product, it preliminarily breaks down organic matter due to its biological action.
- ✓ Based on natural and vegetal substratum, light for a better handling and a cheaper waster management.



## ACCESSORIES



Broom and dustpan



Rubbish bin



## CONTACT

Manufactured by:  
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## CERTIFICATED PRODUCTS



### ECODESIGNED PRODUCT

The product is developed with environmental improvements in all its life cycle to reduce its environmental impact. Designed under ISO 14006



PRODUCT WITH BIOLOGICAL INGREDIENTS



### PRODUCT WITH ECOLABEL

The product has been awarded the European Ecolabel



PRODUCT THAT ITS CARBON FOOTPRINT WAS CALCULATED



PRODUCT WITH NSF CERTIFICATION FOR ACCIDENTAL CONTACT WITH FOODSTUFF



WATER BASED PRODUCT



PRODUCT WITH EUROPEAN BUSINESS AWARD FOR THE ENVIRONMENT



PRODUCT WITH CERTIFICATE OF APPROVAL AS A DISINFECTANT FOR THE FOOD INDUSTRY



THE PRODUCT DOES NOT CONTAIN VOLATILE ORGANIC COMPOUNDS IN ITS COMPOSITION





live Bio!

## FOR MORE INFORMATION...



[www.ab-laboratorios.com](http://www.ab-laboratorios.com)



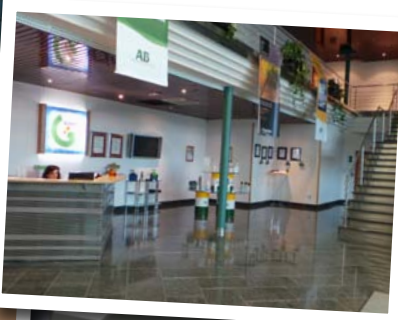
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[www.youtube.com/ablaboratorios](http://www.youtube.com/ablaboratorios)



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## LOOKING FORWARD TO HEARING FROM YOU!



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