



CATALOGUE OF SOLUTIONS



INDUSTRY
SECTOR



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Table of usage and application of products for industrial cleaning

	DD456	DD474	DD4116	DD4126	DD4119	DD4120	DD4107	DD484	DD486	DD410	WA526	DD4106	MT127
TYPE OF DIRT													
General dirt													
Oils in general, dust, grease, industrial oils													
Oils in general, grease, animal/vegetal oils													
Hydrocarbons													
Scale													
Rust													
Resins, paints, inks													
TYPE OF APPLICATIONS													
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	Ready to use	10 - 100%	2.5 - 5 %	5 - 20%	50% - Pure	10 - 50%	1 - 3%	50% - Pure	Ready to use
Foam	Light	No	Light	No	No	No	No	Light	No	Light	No	No	--
FEATURES AND CERTIFICATIONS													
Exempt from hazardous labelling													
Biological													
Green chemistry													
European Ecolabel													
Ecodesign													
NSF													
VOC content	5.97%	0%	0%	11%	0%	1.17%	0.65%	9.51%	85.13%	0%	0%	0%	0%
Silicone content	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
INTERACTION BETWEEN SURFACES AND MATERIALS													
Plastic and Plexiglas (gaskets, surfaces, plates)													--
Aluminium													--
Other metals (iron, copper, galvanised products)													--
Varnishes, resins, paints													--
PRODUCT PURPOSE													
Detergent													
Degreaser													
Solvent													
Descaling													
Protector													
Absorbent													

Suitability level: high medium low







































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



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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"> Effective solvent of resin and ink on dry marks and porous materials. Formula selected for its environmentally friendly components. 	<p>10 - 100%</p> <ul style="list-style-type: none"> Apply directly and let it act for a few seconds. Remove with a cloth. 	<ul style="list-style-type: none"> Ecological: Ecodesign Non-flammable 	
DD 4119	SOLVENT ZERO	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> Dielectric cleaner, evaporates leaving no residue, of great degreasing power, for cleaning and degreasing of parts, equipment and electromechanical pieces 	<p>Ready to use</p> <ul style="list-style-type: none"> Apply directly and let it act for a few seconds. Remove with a cloth. 	<ul style="list-style-type: none"> Ecological: Ecodesign Exempt from VOC 	
DD 410	DEGREASER - DEOXIDIZER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> Degreasing cleaner with high deoxidizing properties to be applied on rusty metal surfaces. 	<p>10 - 50%</p> <ul style="list-style-type: none"> Dilute with water. Immerse or spray onto the surfaces. Let it act, rinse and remove the remaining dirt. 	<ul style="list-style-type: none"> Two-in-one: degreaser and deoxidizer Biodegradable product 	
WA 526	SHW CLEANER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> 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. 	<p>0,5 - 3%</p> <ul style="list-style-type: none"> Introduce the product in the SHW system using a pump and keep circulating approximately for 30-45 minutes. After the application, rinse with water. 	<ul style="list-style-type: none"> Ecological: Ecodesign High performance due to its low dosage. 	
DD 4106	ZERO RISK INDUSTRIAL ACID CLEANER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> Multi-purpose cleaner with an acid nature for industrial use with zero use risks. Degreasing- Deoxidizing- Descaling agent. 	<p>Ready to use</p> <ul style="list-style-type: none"> Immerse or spray onto the surfaces. Let it act and rinse with water 	<ul style="list-style-type: none"> Ecological: natural peat Exempt from hazardous labelling No ADR Exempt from VOC Water based 	
MT 127-IND	ORGANIC ABSORBENT	4-5 Kg	24 buckets pallet	<ul style="list-style-type: none"> Absorbs and encapsulates a wide variety of oils, solvents, fuels and other organic fluids. 	<p>Ready to use</p> <ul style="list-style-type: none"> Form a barrier around with the product, cover the stain, scrub and remove. 	<ul style="list-style-type: none"> Selective: does not absorb water Ecological: natural peat Exempt from hazardous labelling 	











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INDUSTRY SECTOR



CATALOGUE of SOLUTIONS

CODE	NAME	FORMAT	PACKAGING	DESCRIPTION	DOSAGE AND APPLICATION	WHY IS IT DIFFERENT?	TECH. SHEET AND VIDEO
DD 4120	EMULSIFIABLE SOLVENT PLUS	 10 L	 60 jerrycans pallet	<ul style="list-style-type: none">Powerful degreaser based on selected solvents not classified as flammable. It acts as a multipurpose cleaner, eliminates dirt on any surface without damaging it thanks to its neutral nature. Excellent dispersant and hydrocarbon cleaner.	<p>10 - 100%</p>    <ul style="list-style-type: none">Immerse or spray onto the surfaces. Let it act and rinse with water	<ul style="list-style-type: none">Ecological: EcodesignNo ADRLow VOC contentNon-flammableHigh performance  	



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.



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 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.

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.*



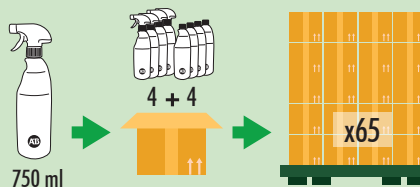
TECHNICAL SPECIFICATIONS

Features	Value
Physical state at 20°C	Fluid liquid
Colour	Green
Odour	Characteristic of the formula
Density	980 - 1,000 kg/m³
pH	10.5 – 11.5
Flash point	NON-flammable
VOC content	5.97 % by weight
Water solubility	Soluble
Biodegradability	Biodegradable
Silicones	0%



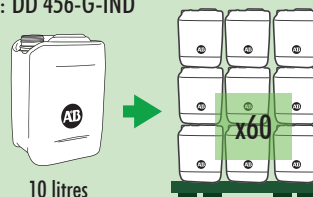
SHIPPING FORMAT

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.**



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 ³
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.
C/ Paduleta esq. c/ Júndiz, s/n - 01015 Vitoria-Gasteiz (Spain)
www.ab-laboratorios.com - 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.



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 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.

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.

WHERE

HOW

WHEN



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/m³
pH	10.6 – 11.4
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 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

Manufactured by:
A&B Laboratorios de Biotecnología S.A.U.
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ECOSOLVENT ZERO

DD 4126

Non-hazardous solvent (exempt from hazardous labelling), with a low VOC content, 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 ³
pH	10.5 – 11.5
Water solubility	Soluble
Flash Point	64°C
VOC content	11 %
Silicones	0 %



SHIPPING FORMAT



Other formats available upon request.

- 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
- MQ39- Tank sprayer 1.5 L



MQ 17



MQ 15



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

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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.**



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

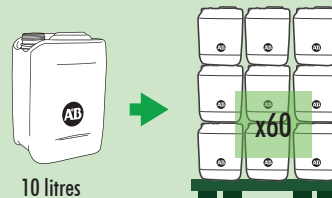


TECHNICAL SPECIFICATIONS

Features	Value
Physical state at 20°C	Homogeneous fluid
Colour	Reddish
Odour	Characteristic of the formula
Density	805 – 825 kg/m ³
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 permits an environment of work without vapours, more hygienic and safe.



CONTACT



EMULSIFIABLE SOLVENT PLUS

DD 4120

Powerful degreaser based on selected solvents not classified as flammable. It acts as a multipurpose cleaner, eliminates dirt on any surface without damaging it thanks to its neutral nature. Excellent dispersant and hydrocarbon cleaner.



APPLICATIONS

- Fuel, bituminous, oil or hydrocarbons cleaning in emergency situations like spills in harbours, platforms, etc.
- Industrial degreasing of floors and impregnated utensils. Bucket, deposit, container, ship cleaning.
- Degreasing of engines, cleaning of components by immersion, heavy machinery, workshop floors, etc.
- Essential in auto repair shops, garages, public buildings and in factories in general with problems with oil and grease.

HOW TO USE

Dilute the product in water using the manual dosage system (MQ19) or the automatic system (MQ31; MQ48). See dosage for more information. Apply using the application systems (MQ15; MQ39; MQ18) onto surfaces, let act and rub if necessary. Rinse with water to remove the remaining dirt. Product of a solvent nature, it can affect paint, plastics and rubber. We recommend having prior tests before applying. In applications of cleaning in an environmental emergency, it is recommended the use of barriers for hydrocarbons (MT127).

DOSAGE

Dose depending on the dirt and materials:

- Normally soiled: apply pure or at 50% emulsified in water.
- Delicate or lightly soiled surfaces: 10% emulsified in water.

Degreaser and dispersant

BENEFITS

- ✓ **Free of silicone**
- ✓ **High dilution capacity** due to its emulsionability in water, multipurpose activity valid for different applications
- ✓ **Effectiveness:** high cleaning and degreasing power (specially oils, grease and hydrocarbons) and easy to rinse
- ✓ **Safe to use:** not classified as corrosive
- ✓ **Environmental improvement:** biodegradable product
- ✓ **Other benefits:** allows faster rinsing and better finishes

**METAL INDUSTRY. CLEANING COMPANIES.
CHEMICAL INDUSTRY. ROAD MAINTENANCE.**

WHERE

HOW

WHEN



DD 4120 - EMULSIFIABLE SOLVENT PLUS



FEATURES

- Emulsifiable solvent-based degreasing cleaner with low evaporation, for industrial degreasing processes for oils, greases and hydrocarbons that require rinsing with water.
- Products are non-hazardous by inhalation with a low impact on materials. It does not attack metals and the majority of plastic types.
- Efficient alternative instead of traditional toxic and flammable solvents. Free of chlorinated or aromatic solvents.
- Product for professional use.

WHERE TO APPLY IT

- Fuel and bituminous agents: Cleaning of application machinery and tools.
- Hydrocarbons: Removal of spill residues after its collection with absorbent agents.
- Motors: Cleaning of industrial motors and heavy machinery.
- Industrial floor degreasing agent.

DOSAGE AND INSTRUCTIONS FOR USE

- Depending on the filth, from 10% emulsified solution in water up to pure product on surface.
- Deoxidizing agent: Easily eliminates rust from metal materials. Apply, allow it to act and eliminate the rust by mechanical means.
- Anticorrosive agent: it protects the metal parts and components, preventing the formation of rust and protects them from corrosion in the short-term. Apply on the surfaces and allow it to dry.



Professional product with specific performances.



TECHNICAL SPECIFICATIONS

Parameter	Value
Appearance	Homogeneous fluid
Colour	Red
Odour	Slightly characteristic
Water solubility	Emulsifiable
Flash point	95 °C.
VOC content	1.17 %
Silicone content	0 %



SHIPPING FORMAT



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



ACCESSORIES



MQ 15
Sprayer



MQ 17
Plastic Tap



MQ 38
Tank sprayer



BENEFITS AND REGULATIONS

- ✓ Minimizes the use of Individual Protection Equipment (IPE) in their use and does not generate hazardous waste.
- ✓ Low VOC content.
- ✓ Eco-design.



CONTACT



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.



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 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.

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.

WHERE

HOW

WHEN



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 ³
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

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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)



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 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.

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:** eco-designed product, it preliminarily breaks down organic matter due to its biological action
- ✓ **Other benefits:** reduces the environmental impact of oil spills

INDUSTRY.



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 ³
pH	7.0 – 9.5
Biological capacity	> 1 x 10 ⁶ 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



ACCESSORIES

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



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.



CONTACT



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 - LIMPIADOR DE RESINAS



CARACTERÍSTICAS

- Detergente eficaz **capaz de limpiar resinas, barnices, tintas, adhesivos incrustados y pegamentos**, incluso en casos de manchas secas y materiales porosos.
- Permite la **eliminación de suciedad, trazos, o residuos de superficies**, moldes y utensilios de forma rápida, segura y eficaz.
- **Formulación** seleccionada por sus **componentes ambientalmente favorables y respetuosos con el medio ambiente**, representa una **alternativa segura a los disolventes tradicionales tóxicos y peligrosos**.
- **No contiene acetona, siliconas o componentes clorados**.
- Producto **ecodiseñado**.

DÓNDE APLICAR Y DOSIFICACIÓN

- Aplicar el producto ya dosificado en las superficies a limpiar. Dejar que actúe unos segundos y retirar con una bayeta o papel. En caso de suciedad persistente puede ser necesario aumentar el tiempo de contacto o repetir la operación de limpieza.
- **Producto con carácter disolvente**, puede atacar algún tipo de barnices, materiales plásticos y gomas; por lo tanto, se recomienda hacer una prueba preliminar para verificar la resistencia de los materiales en caso de superficies delicadas o barnizadas.



Producto profesional con prestaciones específicas



ESPECIFICACIONES TÉCNICAS

Parámetro	Rango
Aspecto	Fluido homogéneo
Color	Verde
Olor	Característico formulación
Densidad	900 – 1.100 Kg/m ³
Solubilidad en agua	Emulsionable
Punto inflamación	38°C
Contenido en COV 's	85,13 %
Siliconas	0 %



FORMATO DE ENVÍO



- Dimensiones garrafa: 220 x 180 x 300 mm
- 60 garrafas por pallet
- 20 garrafas por altura, 3 alturas por pallet



ACCESORIOS

- MQ17- Grifo
- MQ15- Sprayer
- MQ38- Tank sprayer 7 litros
- MQ39- Tank sprayer 1,5 litros



MQ 17



MQ 15



MQ 38



MQ 39



VENTAJAS Y NORMATIVA

- ✓ No contiene siliconas.
- ✓ Alternativa eficaz a los solventes peligrosos, reduce los riesgos de uso para los operarios y las superficies a tratar.
- ✓ Producto de elevada eficacia; a diferencia de los solventes tradicionales puede ser eliminado mediante enjuague o con un paño.
- ✓ Su fácil aplicación y rápida eliminación de la suciedad permite reducir los tiempos necesarios en una limpieza normal.
- ✓ No mancha
- ✓ Producto especialmente concebido para la limpieza de moldes en la industria plástica, eliminación de restos de adhesivos en etiquetadoras, limpieza de superficies metálicas inoxidables, decapante para cabinas de proyección de pintura.



CONTACTO

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DEGREASER - DEOXIDIZER

DD 410

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

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 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.

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 ³
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



ACCESSORIES

- MQ17- Plastic tap
- MQ15- Sprayer
- MQ38- Tank sprayer
- 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



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.



CONTACT

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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.

Hot



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 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.

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.

WHERE

HOW

WHEN



WA 526 - SHW CLEANER



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 ³
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

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ZERO RISK INDUSTRIAL ACID CLEANER

DD 4106

Multi-purpose cleaner with an acid nature for industrial use with zero use risks.
Degreasing- Deoxidizing- Descaling agent



APPLICATIONS

- Restoration of surfaces and rusted metal pieces.
- Effective degreasing and deoxidation of all types of metal materials (iron, stainless Steel, galvanization) and non-ferrous (aluminium, copper)
- Degreasing and deoxidation of parts before painting.
- Cleaning of outdoor machines and mechanic elements that are exposed to water.
- SUITABLE for cleaning of maintenance of equipment in the food industry and HACCP cleaning protocols.

HOW TO USE

- Surfaces: Apply the product with the application systems (MQ15; MQ39; MQ18) on the surfaces to be treated, let it act and rub if required. Rinse with water.
- Immersion: Place the product in a bucket of resistant material (plastic). Insert the pieces to be treated during the time required for the cleaning. Remove, drain and rinse with water.

Acid product: it can damage specific materials such as concrete, iron, etc.
Test the product on a non-visible zone.

DOSAGE

Dosage based on the residues to be eliminated and types of materials:

CAL	Low residue	10%
	Scale	50 - 100%
GREASE	Normally soiled	50%
	Heavily soiled	100%
OXIDE	Incipient	50%
	Severe corrosion	100%

Zero use risks

BENEFITS

- ✓ Restoration of surfaces and rusted metal pieces.
- ✓ Effective degreasing and deoxidation of all types of metal materials (iron, stainless Steel, galvanization) and non-ferrous (aluminium, copper)
- ✓ Degreasing and deoxidation of parts before painting.
- ✓ Cleaning of outdoor machines and mechanic elements that are exposed to water.

METAL INDUSTRY. CLEANING COMPANIES.
CHEMICAL INDUSTRY. PAINTERS.

WHERE

HOW

WHEN



DD 4106 - ZERO RISK INDUSTRIAL ACID CLEANER



FEATURES

- 3-in-1 concentrated product, degreasing, deoxidizing and descaling cleaner with temporary protection in the same application.
- Powerful elimination capacity for oxide residues and incrustations with zero use risks.
- Phosphate effect for temporary protection of the treated surfaces.

WHERE TO APPLY IT

- Restoration of surfaces and oxidized metal parts.
- Degreasing and deoxidization for all types of ferric metal materials (iron, stainless steel, galvanized metal) and non-ferric materials (aluminium, copper) in a highly effective way.
- Degreasing and deoxidation of parts prior to the painting process.
- Cleaning of machines, machinery and mechanical elements exposed to water and harsh weather.

DOSAGE AND INSTRUCTIONS FOR USE

Dose depending on the residues and type of materials:

SCALE	Low residue	10 %
	Lime deposits	50 – 100 %
GREASE	Normally soiled	50 %
	Heavily soiled	100 %
RUST	Emerging	50 %
	Severe corrosion	100 %

For delicate materials, test the product in a non-visible part.



Professional product with specific performances.



TECHNICAL SPECIFICATIONS

Parameter	Value
Appearance	Homogeneous fluid
Colour	Brownish
Odour	Intense
Density	1.100 – 1.120 g/cm ³
pH	2.5 – 3
Flash point	NON-Flammable
VOC content	0%
Silicone content	0%
Biodegradability	Biodegradable

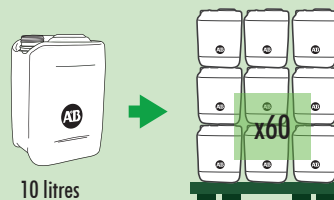


BENEFITS AND REGULATIONS

- ✓ Product free of hydrochloric, nitric and hydrofluoric acids.
- ✓ It includes biodegradable cleaning agents specifically for the cleaning of metals and alloys.
- ✓ It includes corrosion inhibitors for safe cleaning with excellent results in steel, zinc and aluminium.
- ✓ 0% VOCs. It facilitates a more hygienic and safe work environment without fumes.



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 500 ml
- 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

Manufactured by:
A&B Laboratorios de Biotecnología S.A.U.
C/ Paduleta esq. c/ Jundiz, s/n - 01015 Vitoria-Gasteiz (Spain)
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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



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 ³
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 90x1200mm.)

- 10 unit-Box - 25 boxes (250 units) /pallet (5 layers)
- Box size: 585x385x350 mm.



Pads (450x450mm)

- 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 waste management.



ACCESSORIES



Broom and dustpan


































Rubbish bin



CONTACT

Manufactured by:
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	MT 183	MT 189	MT 120	MT 191
PRODUCT PURPOSE				
Lubricant				
Deblocking				
Deoxidizer / Converter				
Antimoisture				
Cleaner				
Demoulding				
Antiadherent				
Antiprojections				
Anticorrosive protector				
Paint stripper				
Circuit treatment (refrigerant, biostatic, antifreeze, etc.)				
TYPE OF APPLICATIONS				
Brushing				
Spraying				
Micronebuliser				
Immersion: baths and industrial washing				
Dosage	Ready to use	Ready to use	Ready to use	Ready to use
FEATURES AND CERTIFICATIONS				
Exempt from hazardous labelling		✓	✓	
Water-based		✓	✓	
Green chemistry	✓	✓	✓	✓
Ecodesign	✓	✓		✓
NSF				
VOC content	55.59%	0%	1.84%	38.69%
Silicone content	0%	0%	0%	0%
INTERACTION BETWEEN SURFACES AND MATERIALS				
Plastic and Plexiglas (gaskets, surfaces, plates)			Not applicable	
Aluminium			Not applicable	
Other metals (iron, copper, galvanised products)			Not applicable	
Varnishes, resins, paints			Not applicable	

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
MT 120	RUST CONVERTER	1 L	8 bottles box 65 boxes pallet	<ul style="list-style-type: none"> Multi-function oxide converter for treatment of rusty metal surfaces with passivating action. 	<p>Ready to use</p> <ul style="list-style-type: none"> Apply with a brush, pressing on the rusty surface and in a single coat, covering the surface well. Let it dry 2 to 3 hours. 	<ul style="list-style-type: none"> Exempt from hazardous labelling No ADR Exempt from VOC Very effective at low dosages 	
MT 183	MULTIFUNCTIONAL 5 IN 1	500 ml	8 bottles box 65 boxes pallet	<ul style="list-style-type: none"> Multifunctional product for industrial maintenance with deblocking, lubricant, deoxidizing, cleaning and anticorrosive properties. 	<p>Ready to use</p> <ul style="list-style-type: none"> Apply by spraying onto the surface. 	<ul style="list-style-type: none"> Ecological: Ecodesign Product free from propellant gases. 	
MT 189	INDUSTRIAL ANTIADHERENT ZERO	500 ml 10 L	8 bottles box 65 boxes pallet 60 jerrycans pallet	<ul style="list-style-type: none"> Water-based product; creates an antiadherent and protective film on treated surfaces. 	<p>Ready to use</p> <ul style="list-style-type: none"> Apply by spraying onto the surface before welding or onto the nozzle. 	<ul style="list-style-type: none"> Ecological: Ecodesign Exempt from hazardous labelling No ADR Exempt from VOC Free from silicones. Anticorrosive protección 	
MT 191	INDUSTRIAL PAINT STRIPPER	10 L	60 jerrycans pallet	<ul style="list-style-type: none"> Product for the removal of paints or dry coatings from surfaces, by means of a simple application or impregnation. It permits elimination of industrial coatings and paints.. 	<p>Ready to use</p> <ul style="list-style-type: none"> Apply by means of brush or roller on the paint removal surface. Allow it to act. 	<ul style="list-style-type: none"> Ecological: Ecodesign Usage safety: Not classified as CMR. 	



MULTIFUNCTIONAL 5 IN 1

MT 183

Multifunctional lubricant for industrial maintenance operations as deblocking, lubricant, cleaner, deoxidizer and anticorrosive.



APPLICATIONS

- **DEBLOCKING:** loosens all types of blocked mechanisms such as nuts, bearings, locks, etc.
- **LUBRICANT:** general use in chains, bearings, belts, gears, etc.
- **DEOXIDIZER:** easily eliminates rust in metals.
- **CLEANER:** cleaning and degreasing of greases, crusts and dirt on machines.
- **ANTICORROSIVE:** anticorrosive protection of metal parts and pieces avoiding rusting in the short term.

HOW TO USE

Apply using the MP Microsprayer on the surfaces.

Deblocking: apply and wait 2-5 minutes depending on the geometry and condition of the area.

Lubricant: apply directly on the zones.

Cleaner: apply and let act, then remove using a cloth.

Deoxidizer: apply and wipe with a cloth or a brush to remove the dirt.

Anticorrosive: apply on the surfaces and let it dry.

DOSAGE

Ready to use in the 360° Microspray format.

All-in-one

BENEFITS

- ✓ **360° microsprayer system**
- ✓ **Features:** aerosol application, every position (360° system) and exact dosage depending on the pressure on the trigger. Pulling completely the trigger applies a maximum of 1ml
- ✓ **Safe to use for people and the environment:** without propellant
- ✓ **Profitability:** 100% active product and with no product loss. Emptying rate: 100%
- ✓ **Low cost:** without empty container management

METALWORKING INDUSTRY. MECHANIC SCHOOLS. PLUMBING AND HEATING. MACHINERY SITES.

WHERE

HOW

WHEN



MT 183 - MULTIFUNCTIONAL 5 IN 1



FEATURES

- **Multifunctional product** for industrial maintenance.
- Excellent **effectiveness free from propellant gases**.
- Deblocking, lubricant, deoxidizing, cleaning and anticorrosive properties.
- Ecodesigned product.

WHERE TO APPLY AND DOSAGE

- **Deblocking:** loosens any type of mechanical part such as screws, nuts, wheel bearings, bolts, etc. Apply, wait 2-5 min depending on the surface.
- **Lubricant:** general use for chains, wheel bearings, belts, gears, etc. Apply directly on the area to be treated.
- **Deoxidizer:** easily eliminates rust from metallic materials. Apply, let it act and remove rust by slightly abrasive mechanical means.
- **Cleaner:** cleans and removes grease, scale and industrial dirt. Apply, let it act and remove with a cloth.
- **Anticorrosive:** protects metallic parts and components avoiding formation of rust and protecting them from corrosion in the short term. Apply on the surfaces and let it dry.



Industrial technical product with specific performances

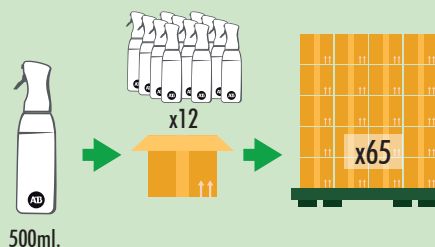


TECHNICAL SPECIFICATIONS

Features	Value
Physical state at 20°C	Fluid liquid
Colour	Brown
Odour	Characteristic of the formula
Density	800 – 850 kg/m ³
Kinematic viscosity at 20°C	17 cSt
Flash point	NON-flammable
VOC content	55.59%
Silicones	0 %
Application temperature	maximum 80°C
Functioning temperature	maximum 120°C



SHIPPING FORMAT



- 12 bottles per box.
- Box size: 285x205x300 mm
- 65 boxes per pallet
- 13 boxes per layer, 5 layers per pallet



360° SYSTEM



Economical product: micronebulisation system and great performance (free from propellents, 100% of the container contains active product).



Micronebuliser system: guarantees an homogeneous and constant application with a 360° spin.



Safe to use: non-pressurised container.



BENEFITS AND REGULATIONS

- ✓ Free from silicones
- ✓ No ADR
- ✓ Free from LPG liquified gases and CO₂



CONTACT



INDUSTRIAL ANTIADHERENT ZERO

MT 189

Water-based product of great stability and chemical inertia at high temperatures that forms an antiadherent film on the treated surfaces.



WHERE

APPLICATIONS

- Avoids adherence of weld spatter on metal surfaces on both sides of the weld bead.
- Special protection of nozzles.
- Protection for demoulding in the plastic industry.
- Demoulding for the processing of wax components in microdiffusion.
- Interesting for mechanic construction, automotive, naval or rail sector.
- Suitable for moulds in the plastic industry for injection and blowing processes.
- Suitable for polyethylene (PE), polypropylene (PP), acrylonitrile butadiene styrene (ABS), polyamide (PA), polybutylene (PB).

HOW

HOW TO USE

PREPARATION OF THE SURFACE: for maximum effectiveness, keep the surface clean, free of grease, dust or any other type of dirt.

APPLICATION:

- Manual application: apply pure onto the surfaces.
- Welding robot: load the dosage system of the welding robot.

WHEN

DOSAGE

Ready to use.

Great performance

BENEFITS

- ✓ **Effective surface protection**
- ✓ **Low residues, easily cleanable**
- ✓ **Anticorrosive protection:** does not oxidize metallic components
- ✓ **Free of silicone, metal charge and graphite, free of solvents**
- ✓ **Safe to use, free of solvents:** not classified as hazardous, non-flammable, does not produce hazardous fumes or vapours for the worker

METAL INDUSTRY. PLASTIC INDUSTRY. AUTOMOTIVE.



MT 189 - INDUSTRIAL ANTIADHERENT ZERO



FEATURES

- **Water-based product;** creates an antiadherent and protective film on treated surfaces.
- **Resistant to high temperatures.**
- **Does not attack materials and provides** anticorrosive protection.

WHERE TO APPLY AND DOSAGE

- **Ready to use.**

SEPARATING AGENT AND PROTECTION FOR MOULDS:

- **Guarantees a perfect detachment of plastic materials** from the mould and protects the surface from corrosion.
- Designed specifically **to be used in industries that manufacture plastic and thermoplastic components**, particularly polyethylene (PE), polypropylene (PP), acrylonitrile butadiene styrene (ABS), polyamide (PA), polybutylene (PB).
- Apply uniformly onto the perfectly clean surface, at room temperature, by fast and continuous moves at 30 cm from the mould and letting act for 2 minutes approximately.
- Proceed again to protect the mould until the next use.

ANTIADHERENT FOR WELDING:

- **Avoids the adhesion on metallic surfaces** of the weld spatter at both sides of the weld bead.
- Special protection for nozzles.
- Application:

Manual: spray on the surface.

Automatic: load the dosage system of the welding robot.

SEPARATING AGENT FOR WAX PIECES:

- **Separating agent in the processing** of microfusion-manufacturing.



*Industrial technical product
with specific performances*

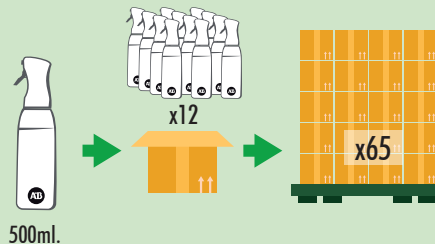


TECHNICAL SPECIFICATIONS

Parámetro	Rango
Physical state at 20°C	Fluid liquid
Colour	Colourless
Odour	Characteristic of the formula
Density	980 - 1,020 kg/m³
pH	7 - 9
Flash Point	NON-flammable
COV content	0 %
Silicones	0 %



SHIPPING FORMAT



- 12 bottles per box.
- Box size:
285x205x300 mm
- 65 boxes per pallet
- 13 boxes per layer,
5 layers per pallet



BENEFITS AND REGULATIONS

- ✓ For maximum effectiveness, keep the surface clean, free of grease, dust or any other type of dirt. If necessary, clean with products that respect materials, such as DD456 or DD4116.
- ✓ No ADR
- ✓ Exempt from hazardous labelling. Safe to use, does not produce hazardous fumes or vapours for the user.
- ✓ Free from silicones.
- ✓ Effective protection of surfaces and nozzles.



360° SYSTEM



Economical product: micronebulisation system and great performance (free from propellents, 100% of the container contains active product).



Micronebuliser system: guarantees an homogeneous and constant application with a 360° spin.



Safe to use: non-pressurised container.



CONTACT

Manufactured by:
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RUST CONVERTER

MT 120

Rust converter for the treatment of rusty metal surfaces with passivating action that transforms iron oxides into a complex film firmly bonded to the metal and chemically stable that is ready to be painted over after the reaction.



APPLICATIONS

- All types of deoxidation of steel, iron, or galvanized steel surfaces, providing anti-corrosion protection for them.
- Applicable to external metal structures, machinery, vessels, boilers, cooling towers, etc.
- Repair of slabs in construction.
- Touch up of vehicle bodies.

HOW TO USE

PREPARING THE SURFACE: remove rust flakes or rust that is not bonded and the remains of old paint that is loose. Remove other impurities such as common dirt, soil, grease, etc. with solvents or detergents. Dry.

TO APPLY: shake well before use and apply the product to the rusted surface. Using a brush, apply one coat to the rusted surface, covering it well without applying excess product and avoiding areas with no rust (clean with water any areas splashed by the product). The tools used to apply the product can be washed with water. Its drying time is 2-3 hours. You will notice the reaction of the product when the rusted surface turns a dark blue-black color. 24 hours after application, coat with a suitable coating.

DOSAGE

Ready to use. Do not dilute with water.

Yield: 10 - 15 m² / liter (depending on the roughness and porosity of the surface).

Protective passivating action

BENEFITS

- ✓ **Does not contain silicone**
- ✓ **Avoids costly** sanding and rust removal, high performance and easy to apply
- ✓ **Effectiveness:** converts rust and neutralizes the corrosion of metal
- ✓ **Safe to use:** no hazard handling requirements
- ✓ **Other benefits:** its use provides an excellent coating anchor for subsequent painting on metal

MECHANIC SCHOOLS. PLUMBING AND HEATING. METALWORKING INDUSTRY. PARKS AND GARDENS.



MT 120 - RUST CONVERTER



FEATURES

Multi-function oxide converter for treatment of rusty metal surfaces with passivating action:

- It converts the oxide: it transforms the iron oxides into a complex film perfectly adhered to metal and chemically stable
- It neutralizes the corrosion
- It prepares the surfaces before painting.
- It protects from corrosion.

WHERE TO APPLY IT

- Iron, steel and galvanized surfaces which have rust.
- Especially suitable to prepare surfaces before painting.

DOSAGE AND INSTRUCTIONS FOR USE

- **Product ready for use.** Do not dilute. Prevent contact with non-metal surfaces. In case of contact, immediately clean with water or damp cloth.
- **SURFACE PREPARATION:** remove the rust in scales or what is not adhered and the residues of old paint which is loose. Remove other impurities such as general filth, dirt, grease, etc. with solvents or detergents. Dry.
- **APPLICATION:** shake before using and apply the product on the rusty surface. Apply preferentially with a brush, pressing on the rusty surface and in a single coat, covering the surface well; without excess product and do not apply it in zones without rust (clean the product splashes with water). The application utensils can be washed with water. Its drying time is from 2 to 3 hours. The product reaction is observed by the change of colour of the rusty surface into a dark blue-black colour. Apply a coating after 24 hours have elapsed.



Professional product with specific performances.

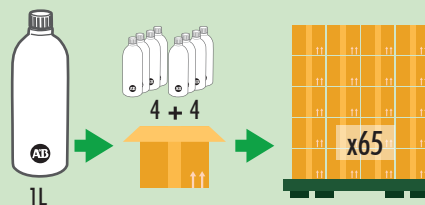


TECHNICAL SPECIFICATIONS

Parameter	Value
Appearance at 20°C	Homogeneous fluid
Colour	White
Odour	Characteristic
Density	1.010 – 1.050 g/cm ³
Flash point	NOT flammable
VOC content	1.84%
Silicone content	0%



SHIPPING FORMAT



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



BENEFITS AND REGULATIONS

- ✓ Product free of corrosive acids (HCl, H₂NO₃, H₃PO₄) and silicone.
- ✓ Prevent chemical or mechanical deoxidation works, improving the performance of man-hours and final results.
- ✓ Product without pictograms, without usage risks in its application.



CONTACT



INDUSTRIAL PAINT STRIPPER

MT 191

Product for removal of paints or dry coating of surfaces by a simple application or impregnation. It eliminates coatings and industrial paints. Formulation free of methylene chloride, an effective and safer alternative to conventional paint strippers.

APPLICATIONS

- Industry: paint stripping of parts and elimination of labeling.
- Maintenance companies: elimination of varnish, lacquer and coatings on elements to be restored.
- Metallic carpentry (iron, aluminium) or wood carpentry: stripping of varnishes and lacquer on the reworking of elements.
- Application equipment cleaning, e.g. spray guns, paint pressure tanks.

HOW TO USE

PAINT STRIPPING: apply using a brush or roller onto the surface to be stripped. Let it act until the coating wrinkles, peels off and dissolves. Longer acting times could be necessary or even various applications. Next, remove the remains of the stripper and the paint using a scraper, brush or pressure water. The product could damage certain materials, so carrying out prior tests is highly recommended as compatibility tests.

DOSAGE

Ready to use.

Paint stripping

BENEFITS

- ✓ **High performance** and high capacity for action
- ✓ **Effectiveness:** effective and safer alternative to conventional paint strippers. Thanks to its low evaporation rate, it is active even in bicomponent systems
- ✓ **Safe to use:** not classified as CMR
- ✓ **Environmental improvement:** ecodesigned product
- ✓ **Other benefits:** the remains of the product could be easily eliminated and does not leave incompatible residues with other paints

INDUSTRY.



MT 191 - INDUSTRIAL PAINT STRIPPER



FEATURES

- Product for the removal of paints or dry coatings from surfaces, by means of a simple application or impregnation. It permits elimination of industrial coatings and paints.
- Efficient and safe compared with conventional paint removers.

WHERE TO APPLY IT

- Removal of paints on metal parts.
- Elimination of signs
- Cleaning of application equipment.
- Especially suitable for metal coatings, lacquers, varnishes and inks.

DOSAGE AND INSTRUCTIONS FOR USE

- **Product ready for use.** Do not dilute. Prevent contact with fragile, rubber and plastic surfaces. In case of contact, immediately clean with water or damp cloth.
- Apply by immersion or by means of brush or roller on the paint removal surface. Allow it to act (5 - 30 min.) until the coating is wrinkled, lifts or dissolves. Next, eliminate the paint remover and paint residues with a spatula, brush or pressurized water.
- Higher contact times or even several applications may be required.



Professional product with specific performances.



TECHNICAL SPECIFICATIONS

Parameter	Value
Appearance at 20°C	Homogeneous viscous fluid
Colour	Colourless. No colourants.
Odour	Characteristic
Density	0.950 – 1.000 g/cm ³
pH	7-10
VOC content	38.69%
Silicone content	0%



SHIPPING FORMAT



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



ACCESSORIES



MQ 17 Plastic Tap



BENEFITS AND REGULATIONS

- ✓ Eco-design: Product free of Methylene Chloride, NMP or Methanol.
- ✓ Usage safety: Not classified as CMR



CONTACT

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



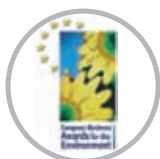
PRODUCT THAT ITS CARBON
FOOTPRINT WAS CALCULATED



PRODUCT WITH NSF CERTIFICATION
FOR ACCIDENTAL CONTACT
WITH FOODSTUFF



WATER BASED PRODUCT



PRODUCT WITH EUROPEAN BUSINESS
AWARD FOR THE ENVIRONMENT



PRODUCT FREE OF THE
HAZARDOUS LABELLING



THE PRODUCT DOES NOT CONTAIN
VOLATILE ORGANIC COMPOUNDS
IN ITS COMPOSITION



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FOR MORE INFORMATION...



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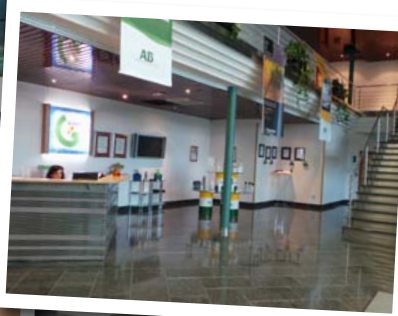
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LOOKING FORWARD TO HEARING FROM YOU!



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