Criochindustries | bio-chem Surface Technology

Bio-Circle Surface Technology GmbH • Metallindustrie fly04/2012 EN
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bio-chem cleaners

Specialists in cleaning in metal processing

Manual cleaning

E-NOX Clean

VOC reduced!

E-NOX Clean helps you remove limescale, incrustations and mineral residues effectively from the interior of metalworking machines. Its excellent cleaning power also removes contact corrosion and frictional corrosion as well as tarnish from tools and other parts.

A00141 1000 mL plastic bottle
Trading unit: 12 x 1000 mL (1 box)
A01041 10 L jerrycan
A03041 30 L jerrycan
A20041 200 L drum

- **Takes effect immediately: this saves time because there is no costly mechanics**
- **Surfactants are biodegradable in accordance with EU directive**

UNO S V

VOC reduced!

This viscous intensive cleaner removes resinifications, machining oils, and slushing oils from the machines. The cleaner adheres excellently to vertical surfaces and does not drip.

A00134 plastic bottle with trigger 1000 mL
Trading unit: 10 x 1000 mL (1 box)
A01034 10 L jerrycan
A03034 30 L jerrycan
A12034 120 L drum

- **Convincing cleaning performance, excellent adhesion**
- **Surfactants are biodegradable in accordance with EU directive**

FT 100

VOC reduced!

With its VOC content of under 20 % this surfactant-free cleaner removes light oil- and particle pollution and fingerprints in a fast and residue-free way. bio-chem FT 100 guarantees consistent cleaning results, no matter if you wish to clean varnished surfaces, plastics, glass, metal, or other highly polished or glossy surfaces. Comes in useful also in pre-cleaning prior to welding.

A50057 500 mL PET bottle with trigger
Trading unit: 20 x 500 mL (1 box)
A00557 5 L jerrycan
A01057 10 L jerrycan
A03057 30 L jerrycan
A20057 200 L drum

- **Ready for use**
  – just spray it on and wipe it off
- **Fast-drying**

Mechanical cleaning

STAR 200

VOC free!

LOW ENERGY

bio-chem STAR 200, the low-temperature cleaner, guarantees economical and efficient water-based cleaning, due to a strikingly decreased use of energy, savings in water consumption and its excellent demulsifying properties. bio-chem STAR 200 is the perfect solution for parts with which thermal expansion is not desirable, or for parts that are measured immediately after cleaning.
VOC-free of course.

A03078 30 L jerrycan
A20078 200 L drum
A10078 1000 L IBC

bio-chem cleaners

Effectiveness redefined: Removing persistent contaminations safely, using the innovative bio-chem cleaners.

NEW GS 200

VOC free!

Coconut Power

bio-chem GS 200 removes cracking, persistent greases, anti-rust waxes (also Tectyl), bitumen, polymers, adhesive residues, sealing compounds (also silicone), rubber and many more in a natural way. The extremely economical cleaner operates on the basis of renewable raw materials and is the effective alternative to solvents containing VOC and/or irritant substances.

- **VOC-free**
- **High flash point (~ 100 °C/212 °F) enhances safety during application**
- **Not subject to mandatory labelling in accordance with the EU directives**

Tip:
Also for cleaning spray guns or tools contaminated with varnish!

- **A50065** 500 mL PET bottle with trigger
- **A01065** 10 L jerrycan
- **A03065** 30 L jerrycan
- **A20065** 200 L drum
- **A10065** 1000 L IBC

Floor Cleaner

VOC free!

Applicable in food industry!

Effective solution for everyday mechanical and manual floor cleaning. The **bio-chem Floor Cleaner** guarantees fast and thorough dirt removal even from small cracks and recesses.

- **Highly concentrated, can be diluted to 1:100**
- **Not subject to mandatory labelling in accordance with the EU Directive**
- **No phosphate, no chelating agents, no AOX compounds**

- **A01015** 10 L jerrycan
- **A03015** 30 L jerrycan
- **A20015** 200 L plastic drum
- **A10015** 1000 L IBC

UNO W

VOC free!

Powerful cleaner. Dissolves vigorously oils, greases, resins, nicotine, and insect speck from workshop appliances, tools, and vehicles.

- **Compatible with oil separators, tested in accordance with ÖNORM B5105**
- **Not subject to mandatory labelling in accordance with the EU Directive**
- **Material-conserving and non-abrasive**

- **A00189** 1000 mL plastic bottle with trigger
  Trading unit: 10 x 1000 mL (1 box)
- **A01089** 10 L jerrycan
- **A03089** 30 L jerrycan
- **A20089** 200 L drum
- **A10089** 1000 L IBC

bio-chem parts cleaning

The Clean Box is the ideal box for mobile cleaning, degreasing, derusting, soaking, pre-cleaning, and much more.

NEW Clean Box

H0040 BIO CIRCLE Clean Box
H0041 BIO CIRCLE Clean Box Mobile

The Clean Box can be used flexibly as an immersion box, transport box or for draining. Typical bio-chem products for the Clean Box are CB 100, GS 200 and BIO-RUST. The Clean Box is robust and has been designed for practical mobile use of water-based, acidic, and also alkaline bio-chem cleaners. The Box consists of the immersion box, the lid, and the immersion basket. By performing a 180° turn the immersion basket can be stacked on the inner edges.

- **Cleaning agent is available for further applications**
- **Guarantees clean and economical handling**
- **Can be closed with the functional lid**
- **Ergonomic handles**
- **Clean Box Mobile with a trolley ensures effortless transport**
- **Can be used in the food industry**

Features:

Easy to handle, mobile, stackable
Can be used flexibly
With minimum space requirements
Immersion box for draining
Clean and economical

Application:

Fill the Clean Box with the desired cleaning agent from the bio-chem product range, put the soiled part in the immersion basket, dip it with the immersion basket in the cleaning agent and let it soak. Upon completion of the soaking process lift the immersion box, perform a 180° turn and position it on the inner edges . Liquid residues will drip off, and then the thus pre-dried parts are taken out.

NATURE BOOST

Works with the Cleaning solutions from the nature boost range, CB100 and GS200

bio-chem parts washing

Natural and comfortable without fail

BIO-CIRCLE®

The BIO-CIRCLE parts washers are true specialists in cleaning in metal processing. Metalworking oils and emulsions are removed reliably. Filter mats and other metal working machine parts are cleaned optimally during maintenance. They clean without solvents and cold cleaners, thus protecting the employee and the environment from highly volatile vapours. With its comfortable and easy-to-use equipment details and its wide range of accessories BIO-CIRCLE provides you with a long-term solution for convincing parts washing on a natural basis.

The advantages at a glance:

- **Water-based with natural micro-organisms**
- **Long service life due to biodegradation of oil**
- **No hazardous substance, no hazardous material**
- **Perfectly suited to the cleaning of turned parts prior to quality control**

VOC free!

	BIO-CIRCLE Mini	BIO-CIRCLE Compact	BIO-CIRCLE Maxi
Work surface (W x D)	610 x 500 mm	740 x 540 mm	880 x 580 mm
Payload	90 kg	100 kg	220 kg
Working height	1010/820 mm	1040/900 mm	960/820 mm
Operating temperature	15 – 48 °C, factory-set at approx. 41 °C	15 – 48 °C, factory-set at approx. 41 °C	15 – 48 °C, werks. factory-set at approx. 41 °C
Heating	Approx. 700 W	Approx. 750 W	Approx. 750 W
Pump	40 W	40 W	40 W
Optimum filling quantity	80 litres	90 litres	100 litres
Material	LDPE	LDPE	LDPE
Empty weight	Approx. 40 kg	Approx. 45 kg	Approx. 60 kg
Power supply	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Order number	**G70026**	**G50026**	**G60026**

*The micro-organisms used are non-pathogenic bacteria from risk class 1 (classified in accordance with the BioStoffV [Ordinance on the Safety and Health Protection for Activities with Biological Working Materials] 2000/54/EG, TRBA [Technical Rules for Biological Working Materials] 466). **Risk class 1:** Substances that are unlikely to cause illness in human beings.

bio-chem hot-water parts washers

Added value through cleaning that meets you demands

The bio-chem hot-water parts washers combine reliable quality and innovative technology. This is reflected in their excellent cleaning performance, and also in their convenient operation, maintenance-friendly technology, and their practical equipment components. The bio-chem hot-water parts washers make mechanical parts washing in maintenance and repair, production and manufacture a clean and perfect job.

bio-chem corrosion protection

Inspiring products

High-Performance Anti-Rust Wax

B40011 400 mL aerosol spray can
B50011 500 mL tin bottle
Trading unit: 20 x 500 mL (1 box)
B01011 10 L jerrycan
B03011 30 L jerrycan
B20011 200 L drum

Protect your tools from corrosion during storage with the bio-chem High-Performance Anti-Rust Wax. Its highly flexible and dynamic protective film features excellent metal adhesion and displaces water. Protects parts from corrosion during wire-cut EDM.

- **Transparent protective film, non-adhesive and non-dust-laying**
- **Fast drying**

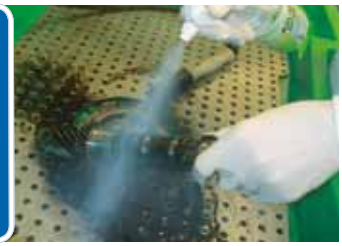
OMNI *All-in-one*

E40016 400 mL aerosol spray can
Trading unit: 12 x 400 mL (1 box)
E50016 500 mL bottle with trigger
Trading unit: 20 x 500 mL (1 box)
E01016 10 L jerrycan
E03016 30 L jerrycan
E20016 200 L drum
E10116 1000 L IBC

The economical multifunctional oil features excellent capillarity and forms a lubricating, non-resin-forming anti-corrosion film. Omni also displaces moisture.

- **Contains no hydrocarbon solvents (e.g. petroleum)**
- **Contains no acid, silicone or Teflon**

Tip:
bio-chem Omni for pre-cleaning at tough and extreme grease and resin contamination in the BIO-CIRCLE!



Anti Seize

C25002 250 g brush tin
Trading unit: 12 x 250 g (1 box)
C40002 400 mL aerosol spray can
Trading unit: 12 x 400 mL (1 box)
C00102 1 kg tin

This high-performance solid lubricant paste prevents screw connections and plug-in connections from seizing. It makes the loosening of hot screws easier and also makes them re-usable.

- **Lubricates and protects up to 1200 °C / 2192 °F**
- **Very economical**

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