

2015

*“Only the best”*

# INNOVATIVE SOLUTIONS FOR THE METALWORKING INDUSTRY

INDUSTRIAL PARTS WASHING SYSTEMS • CLEANING AND DEGREASING  
LUBRICATION • CORROSION PROTECTION

EFFICIENT  
AND  
SUSTAINABLE

**BIO-CIRCLE<sup>®</sup>**

A division of  
Walter Surface Technologies

BIO-CIRCLE



## **Bio-Circle**

At Bio-Circle, a division of Walter Surface Technologies, our purpose is to contribute to our customers' success by helping them work better.

With the growing concern and legislation over health and environmental issues, businesses today are seeking new, cost-effective solutions to reduce emissions of VOCs (Volatile Organic Compounds). Bio-Circle takes this seriously, which is why part of the company's mission is to improve worker health and safety conditions, protect the environment and reduce waste and operating costs.

Continuous Research & Development efforts have enabled us to launch innovative groundbreaking products including CB 100, a cleaner and degreaser powered by our unique Nature Boost technology, a natural cleaning solution derived from vegetable extracts. Our goal is to provide companies with sustainable tools they can easily integrate into their surface treatment activities.

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Bio-Circle is committed to helping you work better. That's why we developed programs dedicated to safety and productivity, including lab tests, chemical safety seminars and chemical audits.

### **Lab Tests**

Bio-Circle assists in optimizing your workflow by performing lab tests based on your cleaning needs. Our team will analyze your contaminants and cleaning processes and make recommendations as to how you can improve efficiency and productivity. A detailed cost analysis report is also provided so you can compare between products in terms of usage, efficiency, power, product life and cost. The goal is to provide you with all the facts so that you can make informed decisions which will positively impact your business.



### **Chemical Safety Seminars**

We understand that safety is an important aspect of the business, which is why our team offers FREE Chemical Safety seminars to promote a safer work environment. Topics include best practices, hazardous material control and material handling. We customize these seminars so that you can provide optimal training to your team!



### **Chemical Audits**

Your company needs various different chemical solutions based on your various cleaning requirements. We know how costly and uneasy it is to work with many vendors. Our team will come to your facility, analyze your cleaning needs and consolidate them into as little products as possible. This process will help optimize your inventory levels and reduce your costs.



New  
for 2015



### **NEW CLEANBOX FLOW MOBILE**

**Combining mobility and functionality into one solution!**

Easily move your CleanBox Flow from one location to another with the new CleanBox Flow Mobile. This new mobile unit is sturdy, easy to assemble and powder-coated to prevent rusting. With storage space at the base of the unit, it allows you to carry all your cleaning needs in one place!



### **ALUSTAR 100**

**Low-impact cleaner and degreaser for aluminum and non-ferrous metals in automated parts washing systems**

Clean contaminants such as light oil and grease from your aluminum, copper or sensitive materials using the newest member of the ALUSTAR family. This product is optimized where strict standards need to be met, such as the Aerospace industry and when ASTM standards, MIL specs and aerospace certifications are required.



### **CB 100 ALU**

**Natural water-based solvent for aluminum and non-ferrous alloys**

CB 100 ALU is a powerful cleaner and degreaser powered by our unique Nature Boost technology and is specially designed for cleaning aluminum and sensitive alloys. Similar to the original CB 100 cleaning solution, this natural water-based solvent also replaces the need for large quantities of solvents and petroleum-based products, making this a great choice for companies looking to improve health and safety in their workplace.



### **STAINLESS STEEL SINK EXTENSION FOR BIO-CIRCLE MAXI**

The perfect extension for your Bio-Circle MAXI industrial parts washer if you need to clean larger and heavier metal parts. This sink extension can be easily installed onto your Bio-Circle MAXI parts washer, giving you added space and strength for those larger metal pieces.



# BIO-CIRCLE CLEANER SELECTOR APP

## Choose the right cleaner every time!

By answering three simple questions, the Bio-Circle Cleaner Selector app leads you to the perfect cleaner/degreaser that will get the job done quickly and easily.

- 1. Choose the contaminant you want to clean**
- 2. Choose the surface material**
- 3. Choose your cleaning method**

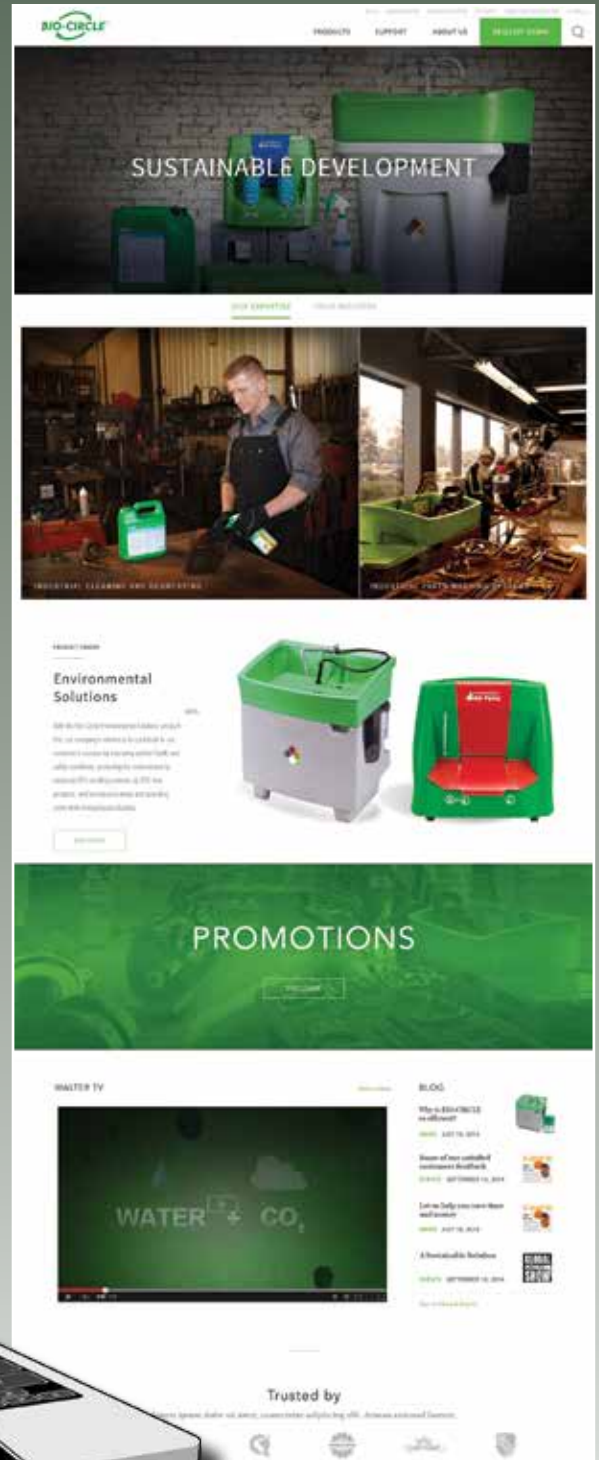
This app will recommend the ideal cleaner/degreaser for your requirements and provide you with valuable information, features and benefits, applications, tips as well as access to MSDS/TDS, videos and free samples!



# Get ready to experience the **new** Bio-Circle website

Redesigned to be more intuitive to our customer's needs and enhanced for user-friendliness. This interactive website, offers quick and easy access to essential information on Bio-Circle products and distributors and is part of the organization's ongoing efforts to enhance the quality and availability of online information to Bio-Circle customers and distribution partners worldwide.

- **AUTO RESPONSIVE** – works on any mobile, tablet or desktop device
- **ENHANCED SEARCH** engine, easy search by products or processes
- **Extra QUICK DISTRIBUTOR LOCATOR**



biocircle.com



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# BIO-CIRCLE™ | *Cleaning basics*

Before exploring all that Bio-Circle has to offer, there are some quick and easy tips that will help ensure you choose the right cleaner to get the job done.

Cleaning products are divided into water-based cleaners and solvents. What differentiates water-based cleaners (and the way they remove contaminants) is their pH; they can be acidic, neutral or alkaline. Once you know the required pH for your application, you can easily choose the best cleaner to remove the given contaminant quickly and easily.

## Acidic cleaners

Acidic cleaners are used to remove inorganic contaminants such as rust, limescale and mineral deposits from metallic surfaces.

## Neutral cleaners

Neutral cleaners are used whenever the use of acidic or alkaline cleaners is a concern, or if the items to be cleaned are delicate.

## Alkaline cleaners

Alkaline cleaners are used to remove organic contaminants such as grease, oil and protein residues.

### The Cleaning Matrix

When it comes to cleaning and cleaning efficiency, each product's cleaning performance can be improved by four key elements:

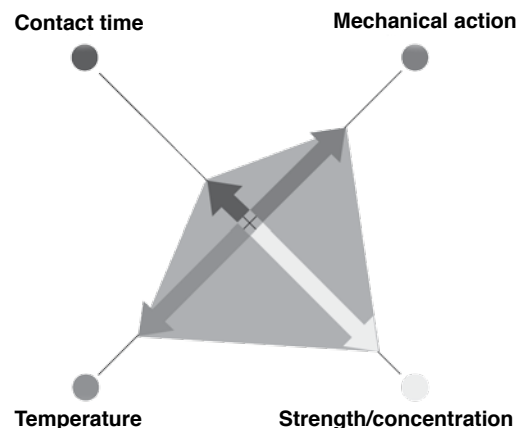
- Contact time
- Mechanical action
- Temperature
- Strength/concentration

If any of these four elements are increased, the performance of your given product will be improved.

For example:

Using a high pressure washer (mechanical) and hot tap water (temperature) mixed with a cleaner in its strongest concentration (power) for 1 minute (time) will result in a given cleaner performance. By increasing the time or the temperature at which you use the product, you will increase the performance of the product.

	Cleaner type	Products	Comparatives
0	<b>Acidic</b> Oxidation Rust Mineral deposits	E-NOX CLEAN	Battery acid
		POWER CLEANER 100	Gastric acid
			Vinegar
5	<b>Neutral</b> Oil, grease, rust	BIO-RUST	Cola
			Coffee
			Beer, wine
10	<b>Alkaline</b> Oil, proteins, grease, wax, resin	CB 100 ALU ALUSTAR 100	Saliva
			Seawater
			Baking soda
14	<b>Alkaline</b> Oil, proteins, grease, wax, resin	CB 100	Drinking water
		E-NOX SHINE, UNO S, UNO S F, UNO S PF, UNO S V, FT 200	Liquid ammonia
		ALUSTAR 200	Soapy water
		STAR 200 ALUSTAR 300	



# CLEANING AND DEGREASING SELECTION CHART

TYPE OF CLEANERS		ALKALINE / NEUTRAL								
Contaminant		<i>Organic:</i> grease, oil, corrosion protection, lubricants, smoke, finger prints, dust, carbon, graphite, soot, etc.								
Cleaning process		Spray and wipe	Ultrasonic bath	Floor washing machine and general maintenance	Pressure washer	Hot parts washer	Automated parts washer	Dip tank	Manual parts washer	
Parent material	Steel	UNO S F UNO S V AF-Clean FT 200	CB 100	UNO S PF	UNO S PF	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100	Bio-Circle L and Bio-Circle Ultra	
	Stainless steel	UNO S F UNO S V AF-Clean FT 200 E-Nox Shine	CB 100	UNO S F	UNO S F	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100		
	Aluminum	AF-Clean FT 200 E-Nox Shine	CB 100 ALU	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	CB 100 ALU	Bio-Circle Aero
	Copper / Brass	AF-Clean FT 200	CB 100 ALU	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	CB 100 ALU	
	Glass	UNO S F UNO S V AF-Clean FT 200	CB 100	UNO S F	UNO S F	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100	—	
	Plastic	UNO S F UNO S V AF-Clean FT 200	CB 100	UNO S F	UNO S F	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100	—	

**Note:** It is very important to know the next step after cleaning. For instance, if painting is required after the cleaning operation, a surface preparation cleaner may be recommended.

**Inorganic contaminant:** Mineral-based compounds such as rust, limescale, etc.

**Organic contaminants:** Carbon-based compounds such as oil, grease, etc.

**Other contaminants:** Can be a combination of organic and inorganic contaminants

Neutralization of acidic cleaners: Proper neutralization with an alkaline cleaner is always required to deactivate the acid and prevent damages to the parent material

**Steps to proper neutralization:**

1. Wipe off the excess of acid
2. Apply an alkaline cleaner
3. Wipe off the surface with a clean rag (rinse and dry when necessary)





ACIDIC					NATURAL SOLVENT		
<i>Inorganic: rust, corrosion, limescale, calamine, heat tint, etc.</i>					<i>Other: paint, glue, adhesive, ink, wax, tar, etc.</i>		
Spray and wipe	Ultrasonic bath	Hot parts washer	Automated parts washer	Dip tank	Spray and wipe	Ultrasonic bath	Dip tank
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Bio-Rust and Power Cleaner 100	GS 200 SC 400	CB 100	GS 200 CB 100
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	GS 200 SC 400	CB 100	GS 200 CB 100
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	GS 200 SC 400	CB 100 ALU	GS 200 CB 100 ALU
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	GS 200 SC 400	CB 100 ALU	GS 200 CB 100 ALU
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	GS 200 SC 400	CB 100	GS 200 CB 100
—	—	—	—	—	—	CB 100	CB 100



# CLEANER CHARACTERISTICS

	Fast evaporating	Flammability	pH level	Residue	Short term protection	Long term protection	Rinsable	Dilutable	Biodegradable	VOC content <sup>1</sup>
BIO-CIRCLE L BIO-CIRCLE ULTRA BIO-CIRCLE AERO	No	None	Neutral	Yes	Yes	No	Yes	No	Yes	0%
AF CLEAN	Yes (after wiping)	None	Slightly alkaline	No	No	No	Yes	No	Yes	12%
CB 100	No	None	Slightly alkaline	Yes	Yes	No	Yes	Yes (up to 5:1)	Yes	0%
CB 100 ALU	No	None	Slightly alkaline	Yes	Yes	No	Yes	Yes (up to 5:1)	Yes	1%
UNO S	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 40:1)	Yes	0%
UNO S F	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 40:1)	Yes	0%
UNO S PF	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 40:1)	Yes	0%
UNO SV	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 40:1)	Yes	0%
STAR 200	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 1:200)	Yes	0%
ALUSTAR 100	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 1:5)	Yes	0%
ALUSTAR 200	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 1:200)	Yes	0%
ALUSTAR 300	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 1:200)	Yes	0%
E-NOX CLEAN	No	None	Acidic	Yes	No	No	Yes	Yes (up to 10:1)	Yes	0%
E-NOX SHINE	No	None	Alkaline	Yes	Yes	No	Yes	No	Yes	0%
BIO-RUST	No	None	Neutral	Yes	Yes	No	Yes	No	Yes	0%
POWER CLEANER 100	No	None	Acidic	Yes	No	No	Yes	Yes (up to 40:1)	Yes	0%
GS 200	No	Low (102°C/215°F)	---	No	No	No	No	No	Yes	0%
SC 400	No	Low (45°C/113°F)	---	No	No	No	No	No	Yes	100%
OMNI	No	Low (130°C/266°F)	---	Yes	Yes	Yes	No	No	No	4%
FT 200	Yes (after wiping)	Low (40°C/104°F)	Slightly alkaline	No	No	No	Yes	No	Yes	7%
AF-PL	Yes	High (-24°C/-11°F)	---	No	No	No	No	No	No	100%
SLAP SHOT	Yes	High (-24°C/-11°F)	---	No	No	No	No	No	No	100%

Legend: ● Water-based ● Natural solvent-based ● Oil-based ● Solvent-based



# CLEANER APPROVALS

	EPA <sup>6</sup> 40CFR <sup>7</sup> compliant	CARB <sup>4</sup> compliant	HAP <sup>8</sup> free	TSCA compliant	DSL compliant <sup>5</sup>	NSF approved <sup>2</sup>	Accepted for use in food plants in Canada	SCAQMD
BIO-CIRCLE L BIO-CIRCLE ULTRA BIO-CIRCLE AERO	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
AF CLEAN	Yes	Yes	Yes	Yes	Yes	No	Yes	No
CB 100	Yes	Yes	Yes	Yes	Yes	No	No	No
CB 100 ALU	Yes	Yes	Yes	Yes	Yes	Pending	No	No
UNO S	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNO S F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNO S PF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNO S V	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STAR 200	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
ALUSTAR 100	Yes	Yes	Yes	Yes	Yes	No	No	No
ALUSTAR 200	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ALUSTAR 300	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E-NOX CLEAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
E-NOX SHINE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
BIO-RUST	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
POWER CLEANER 100	Yes	Yes	Yes	Yes	Yes	No	Yes	No
GS 200	Yes	Yes	Yes	Yes	Yes	Yes	No	No
SC 400	No	No	Yes	Yes	Yes	No	No	No
OMNI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
FT 200	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
AF-PL	No	No	Yes	Yes	Yes	No	No	No
SLAP SHOT	No	No	Yes	Yes	Yes	No	Yes	No

<sup>1</sup> Volatile Organic Compounds <sup>2</sup> National Sanitation Foundation <sup>3</sup> South Coast Air Quality Management District <sup>4</sup> California Air Resources Board <sup>5</sup> Domestic Substances List <sup>6</sup> Environmental Protection Agency <sup>7</sup> Code of Federal Regulations <sup>8</sup> Hazardous Air Pollutants



**Volatile Organic Compounds Free**  
Consumers today are far more knowledgeable regarding products containing potentially toxic levels of volatile organic compounds, commonly known as VOCs. Paints, stains, and varnishes have long contributed considerably to the prolific release of VOCs, sometimes known as off-gassing. This explains the growing popularity of low-VOC and VOC-free products. Products where you see the VOC-free logo guarantee that they contain no volatile organic compounds.



**Nonfood Compounds Program**  
The global food industry relies upon nonfood compounds to facilitate the efficient processing, handling and storage of food throughout the supply chain. Nonfood compounds include such substances as cleaners, sanitizers, boiler compounds and lubricants. NSF International Nonfood Compounds Registration Program provides beneficial product information to three important stakeholder groups.



**Low Energy Surfactant (LES) technology**  
These unique surfactants can clean and degrease effectively at lower temperatures, thus generating substantial energy savings. Lower the temperature of your automated industrial parts washers today! NOTE: Dilution up to 1:200



**CAS - Clean Air Solvent Certification**  
The Clean Air Act Solvent Certification is delivered by the SCAQMD (South Coast Air Quality Management District). They are committed to protect the health of residents in the Orange County and the urban portion of Los Angeles, Riverside and San Bernardino counties (California). Their environmental certification criteria are among the most strict around the world.



**Accepted for use in food plants**  
Products with this logo presented are accepted for use in food plants within Canadian borders.



**NFPA 704**  
"Standard System for the Identification of the Hazards of Materials for Emergency Response" is a standard maintained by the US based National Fire Protection Association. The four divisions are typically color-coded, with blue indicating level of health hazard, red indicating flammability, yellow (chemical) reactivity, and white containing special codes for unique hazards. Each of health, flammability and reactivity is rated on a scale from 0 (no hazard) to 4 (severe risk).

# PROVIDING YOU WITH SAFETY AND IMPROVED PRODUCTIVITY



Bio-Circle industrial parts washers paired with Bio-Circle L, Bio-Circle Ultra or Bio-Circle Aero liquids provide the safest and most efficient environmentally friendly cleaning and degreasing solution. The days working with toxic solvent baths is over; welcome to a new generation of cleaning!

Companies across the country are choosing to work with Bio-Circle industrial parts washing systems because of their proven ability to cut through the harshest contaminants, quickly and easily while ensuring the health and safety of their employees.

A new generation  
of cleaning

# INDUSTRIAL parts washing systems



**VOC-free**  
Non-toxic  
Non-flammable  
**Safe**  
and reliable

# CLEANING SYSTEMS

## BIO-REMIEDIATING SYSTEMS



*Your safest, most efficient alternative to toxic solvent parts washing*

The Bio-Circle parts cleaning system is a safe, efficient and sustainable solution for companies seeking cost-effective green cleaning technology. It eliminates hazardous chemical waste and is a proven alternative to traditional solvent cleaners, with thousands of industrial users having adopted this new method worldwide.

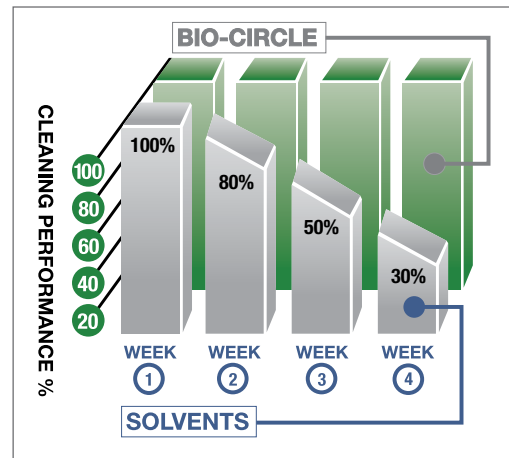
Bio-Circle eliminates the need for frequent replenishment, monthly waste disposal and toxic material management challenges associated with solvent-based cleaning systems. Simply "top off" the solution periodically, to offset natural evaporation.

Each system is made from tough impact-resistant plastic and requires a 120 volt outlet with a ground fault adaptor.

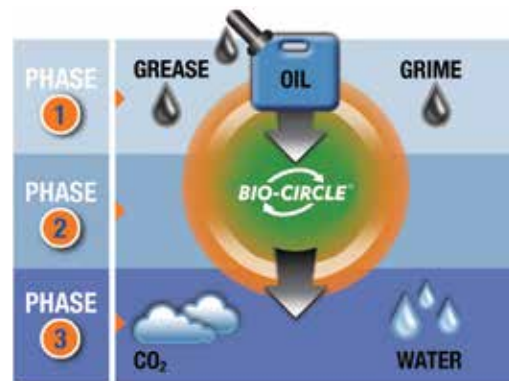
VIDEO



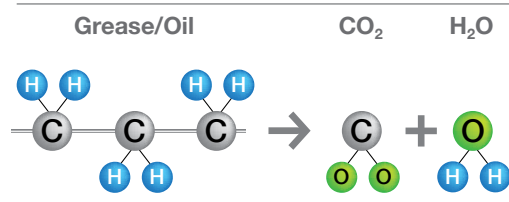
www.walter.com



Solvent-based cleaning strength is diminished week by week whereas BIO-CIRCLE keeps working!



BIO-CIRCLE can "digest" oils and greases, leaving only water and carbon dioxide. No hazardous chemical waste is generated during this process.



Welcome to a new generation of cleaning!

## The cutting-edge in worker safety and environmentally-conscious industrial parts washing

Walter's Bio-Circle industrial parts cleaning systems pair liquid innovation with superior service and technical support to create the safest and most efficient work environment while ensuring a sustainable future. The Bio-Circle systems eliminate hazardous chemical waste and are a proven alternative to traditional solvent parts cleaners.

### Benefits

- ▷ Improved worker safety (little to no safety equipment required)
- ▷ Efficient and effective
- ▷ Eco-friendly



### What does a Bio-Circle Industrial Parts Washing System consist of?

Our systems are made up of three distinct components:

- 1 Liquid (Bio-remediating)
- 2 Industrial parts washer
- 3 Maintenance (Branded as CARE Service)



# BIO-CIRCLE™ INDUSTRIAL PARTS WASHING SYSTEMS

## MAXI™

Maximum cleaning power for a complete range of applications

The Bio-Circle Maxi is our most versatile system for a wide range of cleaning applications.

DIMENSIONS L x W x H	MAX TANK CAPACITY	LOAD CAPACITY
97 cm x 69 cm x 110 cm (38" x 27" x 43")	140 L (37 gal)	220 Kg (500 lbs)



**Stainless steel sink extension for Bio-Circle MAXI**  
Order no. 55-B 046

The perfect extension for your Bio-Circle MAXI industrial parts washer if you need to clean larger and heavier metal parts. This sink extension can be easily installed onto your Bio-Circle MAXI parts washer, giving you added space and strength for those larger metal pieces.

- ▷ Ideal for heavy and oversized parts
- ▷ Max. weight : 1000 lbs
- ▷ Overall dimensions (L x W x H): 151.9 cm x 104.6 cm x 115.6 cm (59.8" x 41.2" x 45.5")
- ▷ Max tank capacity 120 L (31.7 gal)

## COMPACT S™

Efficient size for your toughest cleaning jobs

The Bio-Circle Compact S is an ideal cleaning system for maintenance, repair and overhaul (MRO) and machine shops. A powerful addition to any industrial tool box.

DIMENSIONS L x W x H	MAX TANK CAPACITY	LOAD CAPACITY
90 cm x 60 cm x 112 cm (35" x 24" x 44")	120 L (31.7 gal)	100 Kg (220 lbs)



**DID YOU KNOW?**

*You can eliminate safety equipment with Bio-Circle parts cleaning systems. Heavy rubber gloves, ventilation systems and other protective equipment are unnecessary.*



# BIO-CIRCLE® INDUSTRIAL PARTS WASHING LIQUIDS

Bio-Circle offers three distinct bio-remediating industrial parts washing liquids. All three are made of natural micro-organisms that break down oils and residues into water and carbon dioxide. These Bio-Circle liquids maintain their cleaning power over time, a clear advantage over solvents.



## Bio-Circle® L

The right solution for any parts washing application!

Its fast and thorough cleaning performance has allowed Bio-Circle L to differentiate itself from many other parts washing solutions. Bio-Circle L is a non-solvent solution and is VOC-Free. *NSF category C1, registration #141285*



Description	Size		Order No.	MSDS	Std pkg
	Metric	US Gal			
Solution	20 L	5.2 gal	55-A 007	L-78E	1
Solution	208 L	55 gal	55-A 008	L-78E	1



## Bio-Circle® Ultra

Heavy-duty cleaning and bioremediating liquid

Looking to remove the toughest contaminants. Bio-Circle Ultra is the perfect solution. Bio-Circle Ultra quickly removes: crude oil, bitumen, heavy grease, baked-on contaminants and more. *NSF category C1, registration #145549*



Description	Size		Order No.	MSDS	Std pkg
	Metric	US Gal			
Solution	20 L	5.2 gal	55-A 107	L-148E	1
Solution	208 L	55 gal	55-A 108	L-148E	1



## Bio-Circle® Aero

Cleaning and bioremediating liquid designed for the aeronautical and aerospace industry

Aeronautics customers with stringent requirements specific to the industry choose Bio-Circle Aero liquid. Safe on aluminum and other sensitive alloys. **This liquid conforms to Boeing D6-17487 revision R, Douglas Aircraft company CSD No.1 (Type I), AMS 1526C, MIL-PRF-29602A.**

Description	Size		Order No.	MSDS	Std pkg
	Metric	US Gal			
Solution	20 L	5.2 gal	55-A 207	L-161E	1
Solution	208 L	55 gal	55-A 208	L-161E	1

For a full listing of the various approvals and certifications for Bio-Circle L, Bio-Circle Ultra and Bio-Circle Aero, please visit: [www.biocircle.com](http://www.biocircle.com)

# CARE SERVICE | *Technical service and support*



Bio-Circle Environmental Solutions ensures the highest quality technical service and support through CARE. With CARE service, the quality, reliability and efficiency of Bio-Circle industrial parts washers is guaranteed. Our technicians visit the customer and perform preventative maintenance on the Bio-Circle systems. Choosing Bio-Circle means choosing peace of mind.

## What does CARE Service include?

- ▷ Written report after each visit
- ▷ Solution pH analysis
- ▷ Solution temperature verification
- ▷ Cleaning / Replacement of the filter cartridge
- ▷ Replacement of air diffusers
- ▷ Replacement of hand brushes
- ▷ Complete solution filtration
- ▷ Gaskets verification
- ▷ Filter housing inspection
- ▷ Hoses and connections verification
- ▷ Cleaning of the pump
- ▷ Float switch inspection
- ▷ Mushroom button verification
- ▷ Air pump verification
- ▷ Recycling of used pails
- ▷ Heater module verification
- ▷ Overall visual inspection
- ▷ Inside and out cleaning
- ▷ Top-up of cleaning liquid\*

*\* Liquid sold separately.*

Use of the Bio-Circle Industrial Parts Washer*	Included
Number of service calls per year	3 or 4 depending on your model
Filtration of parts washing liquid	Included
Maintenance of the efficiency and performance of your liquid**	Included
21-point maintenance inspection and cleaning	Included
Written summary report	Included
Filter cartridges	Included
Air diffusers	Included
Hand brushes	Included
Top-up of parts washing liquid	Included

\* Bio-Circle industrial parts cleaning system remains the property of Walter Surface Technologies.

\*\* Walter is not responsible for the inappropriate disposal of contaminants in any Bio-Circle system, which would lead to the deterioration of the Bio-Circle liquid.

# BIO-CIRCLE INDUSTRIAL PARTS WASHING SYSTEMS

## Bio-Circle industrial parts washing systems with Bio-Circle L and CARE Service

**Order No. 55-D 600RC**

- ▷ Bio-Circle MAXI industrial parts washer
- ▷ Bio-Circle L liquid (6 x 20 L)
- ▷ 4 CARE Service visits/year

**Order No. 55-D 350RC**

- ▷ Bio-Circle COMPACT S industrial parts washer
- ▷ Bio-Circle L liquid (5 x 20 L)
- ▷ 3 CARE Service visits/year

## Bio-Circle industrial parts washing systems with Bio-Circle Ultra and CARE Service

**Order No. 55-D 600RCU**

- ▷ Bio-Circle MAXI industrial parts washer
- ▷ Bio-Circle Ultra liquid (6 x 20 L)
- ▷ 4 CARE Service visits/year

**Order No. 55-D 350RCU**

- ▷ Bio-Circle COMPACT S industrial parts washer
- ▷ Bio-Circle Ultra liquid (5 x 20 L)
- ▷ 3 CARE Service visits/year

## Bio-Circle industrial parts washing systems with Bio-Circle Aero and CARE Service

**Order No. 55-D 600RCA**

- ▷ Bio-Circle MAXI industrial parts washer
- ▷ Bio-Circle Aero liquid (6 x 20 L)
- ▷ 4 CARE Service visits/year

**Order No. 55-D 350RCA**

- ▷ Bio-Circle COMPACT S industrial parts washer
- ▷ Bio-Circle Aero liquid (5 x 20 L)
- ▷ 3 CARE Service visits/year



# WORK WITH A CLEAN CLEANER

Nature Boost is an innovative technology derived from vegetable extracts exclusive to Bio-Circle. This unique and powerful compound dissolves oils, greases, inks, adhesives and paint. Nature Boost is non-flammable, VOC-free, non-toxic and bio-renewable. Unlike petroleum-based cleaners, it will not get saturated with oil and remain clean even after heavy use.

- *Great cleaning power at room temperature*
- *Breaks down oil aggressively*
- *Remains clean while in action*
- *Cleans more parts with 100% constant cleaning power*



VIDEO



[www.walter.com](http://www.walter.com)



**Nature Boost**

## The Next Generation of Cleaning Technology

Powered by Nature Boost, CB 100, CB 100 ALU, GS 200 and BIO-CIRCLE ULTRA are the first products of this new generation of cleaning technology. Use them to break down greases, ink, rubber marks, tar, wax, carbon, soot, pastes and many other hard-to-remove industrial contaminants. Whether it's for manual cleaning applications, pre-soaking or even industrial parts washing when combined with the CleanBox Flow, these extra-strength cleaners will effortlessly clean and degrease any and all types of metal, when used with the CleanBox system.

# CLEANBOX FLOW PARTS WASHING SYSTEMS

VIDEO



www.walter.com

## CleanBox™ Flow kit

Order no. 53-G 995

The CleanBox Flow is an industrial parts washer designed for use on a counter, table or bench top. This base model is the most cost effective offering available within Bio-Circle family of industrial parts washing systems. The CleanBox Flow comes equipped with: a tank and flow-through cleaning brush, a sink and pump, and two 20 L of CB 100 Natural Cleaner and Degreaser. (See page 26 for details)

### Includes:

- ▷ 2 x 20 L CB 100 (53-G 167)
- ▷ 1 x CleanBox Flow (55-D 020)



### Dimensions L x W x H

CleanBox Flow sink: 61 cm x 45.7 cm x 90.8 cm

CleanBox Flow tank: 600 mm x 400 mm x 300 mm

## CleanBox™ Flow Mobile kit

Order No. 53-G 994

The CleanBox Flow Mobile kit consists of a tank a flow-through cleaning brush, a tank, a pump, a cart for mobility and two 20 L of CB 100 Natural Industrial Cleaner and Degreaser. The CleanBox Flow Mobile kit allows you to easily clean and degrease heavily contaminated parts anywhere within your work environment.

### Includes:

- ▷ 2 x 20 L CB 100 (53-G 167)
- ▷ 1 x CleanBox Flow (55-D 020)
- ▷ 1 x CleanBox Flow Mobile cart (55-B 090)



### New CleanBox Flow Mobile Cart

*Combining mobility and functionality into one solution!*

Easily move your CleanBox Flow from one location to another with the new CleanBox Flow Mobile Cart. This new mobile cart is a sturdy unit that is easy to assemble and powder-coated to prevent rusting. With storage space at the base of the unit, it allows you to carry all your cleaning needs in one place!

### Features

- ▷ Lower shelf can easily hold 2 X 20 L pails of CB 100
- ▷ Equipped with 4 casters (two with locking brakes)



### CleanBox Flow 2-level cart dimensions

Dimensions of the Clean Box Flow sink: 600 x 400 x 150 mm

Dimensions of the Clean Box Flow tank: 600 x 400 x 300 mm

## CLEANBOX DIP WASHING SYSTEMS

### CleanBox™ Dip | *Pre-soaking applications*

Bio-Circle Environmental Solutions offers a pre-soaking solution to remove caked-on contaminants; The CleanBox Dip is paired with CB 100, a natural industrial cleaner and degreaser.

The CleanBox Dip is made of a robust plastic shell, a strainer and lid. When filled with CB 100, the CleanBox Dip is ready to receive heavily contaminated industrial parts. Within hours, grease, sludge, caked-on contaminants and even paint are removed effortlessly and ready for final cleaning in any Bio-Circle industrial parts washing system.

VIDEO



www.walter.com

### CleanBox™ Dip kit

Order no. 53-G 993

For all your pre-soaking need, think CleanBox Dip. This compact dipping container paired with CB 100 will alleviate the harshest contaminants from small to medium sized industrial parts.

#### Included with the CleanBox Dip kit:

- ▷ CleanBox Dip (tank, strainer, lid): 55-D 010
- ▷ 3 x 20 L of CB 100 Natural Industrial cleaner and degreaser: 53-G 167



### CleanBox™ Dip Mobile kit

Order no. 53-G 992

CleanBox Dip Mobile provides a complete kit to easily pre-soak industrial parts while ensuring worker efficiency; the CleanBox Dip Mobile goes wherever you go.

#### Package includes:

- ▷ CleanBox Dip (tank, strainer, lid): 55-D 010
- ▷ 3 x 20 L of CB 100 (53-G 167)
- ▷ CleanBox dolly (55-B 083)



*Any dipping solution can be used with CleanBox Dip:*

*CB 100, Bio Rust, GS 200, SC 400.*

*See industrial cleaning and degreasing section.*

# REFILLING SYSTEMS



## Air Force AF-CLEAN™

High-performance, eco-friendly cleaning and degreasing system

Air Force AF-CLEAN is an innovative cleaning system exclusive to Bio-Circle Environmental Solutions. The AF-CLEAN system consists of: an Air Force refilling station, AF-CLEAN cleaner and degreaser (in bag-in-box or drum format), refillable sprayer bottles and CARE maintenance service.

Clean and prepare your surfaces for painting, priming, coating, corrosion protection and bonding, as well as remove a wide range of contaminants (including: machining oils, corrosion protection films, fingerprints, dust, separating agents, traces of smoke and light waxes).

### Features and benefits

- ▷ Non-flammable
- ▷ VOC-reduced
- ▷ Cost savings
- ▷ Residue free after wiping
- ▷ Bio-degradable
- ▷ Fast drying
- ▷ Low environmental impact / reduced waste stream

VIDEO



[www.walter.com](http://www.walter.com)



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Bag-in-box	10 L	2.6 gal	57-G 105	L-146E	1
Drum	208 L	55 gal	57-G 108	L-146E	1
Refillable sprayer bottle	300 ml	10 oz	57-B 100	L-146E	6
Replacement valve kit			57-B 001		
Replacement spray nozzles			57-B 002		

# Air Force AF-CLEAN™ kits

The environmental impact is drastically minimized further by using compressed air as a propellant and by eliminating the need to dispose of empty aerosol cans. The reusable bottle is simply refilled over and over. The system is safe and simple to use.

Requires clean and dry compressed air (90-125 psi) to operate.

**DID YOU KNOW?**

*That a 10L (2.6 gal) bag-in-box of AF-CLEAN replaces as many as 36 aerosol cans! This results in reduced storage, handling and disposal costs.*



## Air Force AF-CLEAN 10 L - Starter kit

**Order no. 57-D 100K**

**The starter kit includes:**

- ▷ 1 x pack of 10 microfiber cloths
- ▷ 2 x AF-Clean refillable sprayer
- ▷ 4 x 10 L Bag in Box AF-Clean
- ▷ 1 x AF-Clean station
- ▷ 1 x CARE service Fee



## Air Force AF-CLEAN 208 L - Starter kit

**Order no. 57-D 200K**

**The starter kit includes:**

- ▷ 1 x pack of 10 microfiber cloths
- ▷ 6 x AF-Clean refillable sprayer
- ▷ 1 x 208 L AF-Clean Drum
- ▷ 1 x AF-Clean station
- ▷ 1 x CARE service Fee



*\*Air Force station remains the property of Walter Surface Technologies. A usage agreement will need to be signed between the customer and Walter upon purchase of any Air Force System.*



Safest and most efficient  
in the industry

**INDUSTRIAL**  
Cleaning and  
degreasing



**BIO-CIRCLE**  
**UNO S** No.: 53-G 000  
**High strength cleaner and degreaser**  
Removes dirt, greases, grime, enamel, carbon deposits, tars and other residues. Biodegradable.  
**Nettoyant et dégraissant extra-puissant**  
Enlève huiles, graisses, saleté, fumée, poisselles, résidu de soudure, marbrures et autres résidus. Biodegradable.  
**Limpiador y desengrasante de alta potencia**  
Remueve aceites, grasas, suciedad, manchas de horno, depósitos de carbon, marbraduras y otros residuos. Biodegradable.  
VOC free, Zero COV, Low COV, NSF, Biodegradable, Phosphate free, Chlorine free  
**WALTER** 500 ml (16.9 fl. oz.)

**Reduce**  
your chemical  
**waste**  
**stream**

# INDUSTRIAL CLEANING AND DEGREASING

## CB 100™

Natural water-based solvent



CB 100 is an all-natural water-based solvent. Through the power of our exclusive Nature Boost technology, CB 100 boasts superior cleaning results when challenged with the removal of: heavy greases, anti-seize, burnt oil/fat, paint, food residues, pastes/solid lubricants, crude oil, graphite, proteins and many other hard-to-remove industrial contaminants. CB 100 is compatible with steel, stainless steel. **NSF category C1, registration #148555**



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-G 165	L-155E	1
Liquid	20 L	5.2 gal	53-G 167	L-155E	1
Liquid	208 L	55 gal	53-G 168	L-155E	1

Colour: Clear

## CB 100 ALU™

Natural water-based solvent for aluminum and non-ferrous alloys



CB 100 ALU is a powerful cleaner and degreaser powered by our unique Nature Boost technology and is specially designed for cleaning aluminum and sensitive alloys. Similar to the original CB 100 cleaning solution, this natural water-based solvent also replaces the need for large quantities of solvents and petroleum-based products, making this a great choice for companies looking to improve health and safety in their workplace.

Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-G 125	L-158	1
Liquid	20 L	5.2 gal	53-G 127	L-158	1
Liquid	208 L	55 gal	53-G 128	L-158	1
Liquid	1000 L	264 gal	53-G 129	L-158	1

Colour: Clear

**CB100 and CB100 ALU are now available in a new dip-ready 3.78L (1 US Gal) format perfect for a try-out!**



VIDEO



www.walter.com

### Advantages

- ▷ Ready to use formulation
- ▷ Works well at room temperature
- ▷ Non-corrosive
- ▷ Bio-degradable
- ▷ VOC-free
- ▷ Solvent, phosphate and butyl-free
- ▷ Micro-emulsion
- ▷ Strong dissolving/lifting power for removing heavy contaminants
- ▷ Compatible with Bio-Circle L (will not damage the bio-remediating micro-organisms)

### Applications

- ▷ For manual cleaning
- ▷ Industrial parts washing when paired with the CleanBox Flow
- ▷ Immersion baths (CleanBox Dip, large immersion vats)
- ▷ Pressure washing
- ▷ Ultrasonic baths



### Advantages

- ▷ Will not attack sensitive parent material such as aluminum, copper, etc.
- ▷ Works well at room temperature
- ▷ Non-corrosive
- ▷ Biodegradable
- ▷ Solvent, phosphate and butyl free
- ▷ Micro-emulsion
- ▷ Strong dissolving/lifting power
- ▷ Compatible with Bio-Circle solutions

# UNO™ LINE OF CLEANERS AND DEGREASERS

Bio-Circle's UNO family of cleaning and degreasing products are ideal for various MRO jobs conducted at room temperature. Save time and money with UNO S and its Low Energy Surfactant (LES) technology which allows the product to achieve optimal results at ambient temperature.

This family consists of:

- UNO S** Foaming, high strength cleaner
- UNO S F** Foamless, high strength cleaner
- UNO S PF** Foamless, high strength cleaner with additional corrosion protection
- UNO S V** Viscous formulation, high strength cleaner

### Features

- ▷ Aqueous-based high strength degreaser
- ▷ Can be diluted up to 1:40 with water
- ▷ Delivers outstanding performance

### Benefits

- ▷ VOC-free, solvent-free, non-flammable, phosphate-free, biodegradable
- ▷ Excellent substitute for solvent-based cleaners

### Value-added

- ▷ Create a healthier and safer work environment
- ▷ Reduce your chemical waste stream
- ▷ Lower operating costs



## UNO S™

High strength cleaner and degreaser

The foaming action of UNO S makes it ideal for manual cleaning. *NSF category A1, registration #142608*



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 033	L-143E	12
Liquid	5 L	1.3 gal	53-G 036	L-143E	1
Liquid	20 L	5.2 gal	53-G 037	L-143E	1
Liquid	208 L	55 gal	53-G 038	L-143E	1

Colour: Light pink



## UNO S F™

Foamless formulation cleaner

For applications where foaming would interfere. *NSF category A1, registration #142609*



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 023	L-48E	12
Liquid	5 L	1.3 gal	53-G 016	L-48E	1
Liquid	20 L	5.2 gal	53-G 017	L-48E	1
Liquid	208 L	55 gal	53-G 018	L-48E	1

Colour: Light pink





## UNO S PF™

Foamless cleaner with additional corrosion protection

For applications where foaming would interfere and where extra corrosion resistance is required. *NSF category A1, registration #142613*



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 097	L-139E	1
Liquid	208 L	55 gal	53-G 098	L-139E	1

Colour: Light pink



## UNO S V™

Viscous formulation cleaner

For manual cleaning applications of inclined and vertical surfaces. *NSF category A1, registration #142611*



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 053	L-138E	12
Liquid	5 L	1.3 gal	53-G 056	L-138E	1
Liquid	20 L	5.2 gal	53-G 057	L-138E	1
Liquid	208 L	55 gal	53-G 058	L-138E	1

Colour: Clear





# STAR™ LINE OF CLEANERS AND DEGREASERS

**For automated industrial parts washers**

An excellent substitute to solvent-based cleaners!

Thanks to unique Low Energy Surfactant (LES) technology, save on energy and costs! These unique surfactants can clean and degrease effectively at lower temperatures, thus generating substantial energy savings. Lower the temperature of your automated industrial parts washers today!

NOTE: Dilution up to 1:200

## STAR 200™

Concentrated alkaline cleaner and degreaser for cleaning iron, cast iron, steel and stainless steel in automated parts washing applications. STAR 200 exhibits excellent dissolving capabilities of oil, grease, lubricants and grime.



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 067	L-107E	1
Liquid	208 L	55 gal	53-G 068	L-107E	1

Colour: Clear

## ALUSTAR 100™ Available Spring 2015

Lower alkaline aluminum cleaner  
Clean contaminants such as light oil and grease from your aluminum, copper or sensitive materials using the newest member of the ALUSTAR family. This product is optimized where strict standards need to be met, such as the Aerospace industry and when ASTM standards, MIL specs and aerospace certifications are required.



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 697	L-157	1
Liquid	208 L	55 gal	53-G 698	L-157	1

Colour: Clear

## ALUSTAR 200™

Concentrated alkaline cleaner and degreaser for the cleaning of aluminum and other non-ferrous alloys in automated parts washing systems. ALUSTAR 200 is ideal for dissolving oil, grease, lubricants and grime. NSF category A8, registration #145452



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 707	L-79E	1
Liquid	208 L	55 gal	53-G 708	L-79E	1

Colour: Clear

## ALUSTAR 300™

Extra strength alkaline cleaner and degreaser for fast and efficient removal of the most persistent contaminants on aluminum, steel and stainless steel. Excellent for heavy-duty maintenance, repair and overhaul cleaning applications. NSF category A8, registration #145453



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 757	L-106E	1
Liquid	208 L	55 gal	53-G 758	L-106E	1

Colour: Clear

## CORROSION INHIBITOR ADDITIVE

For STAR and UNO family of aqueous cleaners

- ▷ Provides additional corrosion protection
- ▷ Concentrated, 100% active ingredients
- ▷ Foamless

## DEFOAMER ADDITIVE

For STAR and UNO family of aqueous cleaners

- ▷ Quick and permanent foam dissipation
- ▷ Silicone-free
- ▷ Concentrated, very economical

- ▷ Easy and convenient to use
- ▷ Very precise



Description	Size		Order No.	MSDS
	Metric	US Gal		
Sprayer Liquid	950 ml 20 L	32.1 oz 5.2 gal	53-G 001 53-G 927	L-56E L-56E

Description	Size		Order No.	MSDS
	Metric	US Gal		
Liquid Liquid	950 ml 20 L	32.1 oz 5.2 gal	53-G 002 53-G 937	L-57E L-57E

## TITRATION KIT

High concentration cleaning solutions such as the STAR and UNO family can be diluted with water to alter the cleaning strength of the product. With the titration kit, you can easily determine the exact level of concentration of your solution to maintain a high level of cleaning productivity.

Description	Size		Order No.	MSDS
	Metric	US Gal		
Titration kit			53-L 160	L-94E



## PROPORTIONING SYSTEM

Offers a complete system for dispensing BIO-CIRCLE bulk aqueous cleaners. It will automatically dilute the solution, and fill spray bottles, buckets and other containers.

Order no. 53-L 162



# STAINLESS CLEANING

## E-NOX CLEAN™

High strength stainless steel cleaner

Highly concentrated, gel formulation cleaner for the removal of rust and mineral deposits from stainless steel. Removes contaminants without attacking the parent material. *NSF category A3, registration #142614*



### Benefits

- ▷ Safe for use on aluminum, chrome and other non-ferrous metals
- ▷ Gel formulation allows the product to cling to inclined surfaces
- ▷ VOC-free, solvent-free, non-flammable, biodegradable surfactants
- ▷ Removal of rust, oxidation, mineral deposits and light grease

### Features

- ▷ Concentrated formula – can be diluted up to 1:40 with water
- ▷ Ideal for cleaning of food processing and pharmaceutical equipment



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 303	L-59E	12
Liquid	5 L	1.3 gal	53-G 306	L-59E	1
Liquid	20 L	5.2 gal	53-G 307	L-59E	1
Liquid	200 L	52.8 gal	53-G 308	L-59E	1

Colour: Yellow

**TECH TIP:** After application of E-NOX Clean, neutralize with a product from the UNO family.

## E-NOX SHINE™

Stainless steel surface cleaner and protector

An innovative, non-hazardous product that removes light contaminants from stainless steel in one easy step. *NSF category P1, registration #131393*



### Benefits

- ▷ Removes dust, dirt, finger prints, oils and handling marks
- ▷ Leaves a uniform finish without streaking
- ▷ Brightens and protects indoor stainless steel surfaces
- ▷ VOC-free, solvent-free, non-flammable, phosphate-free, biodegradable
- ▷ Not controlled under WHMIS

### Features

- ▷ Ready-to-use
- ▷ Silicone-free
- ▷ For cleaning food processing and pharmaceutical equipment



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 403	L-102E	12
Liquid	5 L	1.3 gal	53-G 406	L-102E	1
Liquid	20 L	5.2 gal	53-G 407	L-102E	1
Liquid	208 L	55 gal	53-G 408	L-102E	1

Colour: White

# RUST REMOVAL



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	1.5 L	50.7 oz	53-G 245	L-134E	1
Liquid	20 L	5.2 gal	53-G 247	L-134E	1
Liquid	208 L	55 gal	53-G 248	L-134E	1

**Colour:** Light brown

Accessories	Order No.
Chrome plated drum pump	53-L 116
Spout for 208L drum	53-L 209



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 253	L-23E	12
Liquid	5 L	1.3 gal	53-G 256	L-23E	1
Liquid	20 L	5.2 gal	53-G 257	L-23E	1

**Colour:** Yellow

## BIO-RUST™

Non-corrosive rust remover

BIO-RUST is a non-corrosive solution that eliminates rust on all ferrous alloys. *NSF category A2, registration #146173*

### Benefits

- ▷ Removes rust without the need for brushing or using strong acids
- ▷ Non-corrosive rust remover
- ▷ Reacts only with iron oxide – does not damage parent material, non-ferrous alloys or plastic surfaces
- ▷ VOC-free, solvent-free, non-flammable, phosphate-free, biodegradable
- ▷ Not controlled under WHMIS
- ▷ Ready-to-use, for dipping applications



## POWER CLEANER 100™

High strength acidic cleaner

A highly concentrated cleaner that quickly brightens metallic surfaces, breaks down rust, dissolves limescale and eliminates mineral deposits.

### Benefits

- ▷ VOC-free, solvent-free, non-flammable, biodegradable surfactants
- ▷ Removes rust, limescale and mineral deposits on sheet metal, metallic structures, heating coils, pumps, heat exchanger plates, storage tanks, etc.
- ▷ Cleans oils, greases and stains

### Features

- ▷ Does not contain nitric, hydrofluoric or hydrochloric acid
- ▷ Concentrated formula – can be diluted up to 1:40 with water



# PAIN, INK, GLUE AND ADHESIVE CLEANING

## CB 100™

Natural water-based solvent



CB 100 is an all-natural water-based solvent. Through the power of our exclusive Nature Boost technology, CB 100 boasts superior cleaning results when challenged with the removal of: heavy greases, anti-seize, burnt oil/fat, paint, food residues, pastes/solid lubricants, crude oil, graphite, proteins and many other hard-to-remove industrial contaminants. CB 100 is compatible with steel, stainless steel. **NSF category C1, registration #148555**



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-G 165	L-155E	1
Liquid	20 L	5.2 gal	53-G 167	L-155E	1
Liquid	208 L	55 gal	53-G 168	L-155E	1

Colour: Clear

## CB 100 ALU™

Natural water-based solvent for aluminum and non-ferrous alloys



CB 100 ALU is a powerful cleaner and degreaser powered by our unique Nature Boost technology and is specially designed for cleaning aluminum and sensitive alloys. Similar to the original CB 100 cleaning solution, this natural water-based solvent also replaces the need for large quantities of solvents and petroleum-based products, making this a great choice for companies looking to improve health and safety in their workplace.

Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-G 125	L-158	1
Liquid	20 L	5.2 gal	53-G 127	L-158	1
Liquid	208 L	55 gal	53-G 128	L-158	1
Liquid	1000 L	264 gal	53-G 129	L-158	1

Colour: Clear

**CB100 and CB100 ALU are now available in a new dip-ready 3.78L (1 US Gal) format perfect for a try-out!**



VIDEO



www.walter.com

### Advantages

- ▷ Ready to use formulation
- ▷ Works well at room temperature
- ▷ Non-corrosive
- ▷ Bio-degradable
- ▷ VOC-free
- ▷ Solvent, phosphate and butyl-free
- ▷ Micro-emulsion
- ▷ Strong dissolving/lifting power for removing heavy contaminants
- ▷ Compatible with Bio-Circle L (will not damage the bio-remediating micro-organisms)

### Applications

- ▷ For manual cleaning
- ▷ Industrial parts washing when paired with the CleanBox Flow
- ▷ Immersion baths (CleanBox Dip, large immersion vats)
- ▷ Pressure washing
- ▷ Ultrasonic baths



### Advantages

- ▷ Will not attack sensitive parent material such as aluminum, copper, etc.
- ▷ Works well at room temperature
- ▷ Non-corrosive
- ▷ Biodegradable
- ▷ Solvent, phosphate and butyl free
- ▷ Micro-emulsion
- ▷ Strong dissolving/lifting power
- ▷ Compatible with Bio-Circle solutions



### Features and benefits

- ▷ Replacement for toxic solvents
- ▷ 100% Nature Boost concentrate (all natural vegetable-based extract)
- ▷ Safe on ferrous, non-ferrous alloys and most plastics
- ▷ VOC-free, non-corrosive, biodegradable
- ▷ Compatible with Bio-Circle L

### Applications

- ▷ Immersion baths (CleanBox)
- ▷ Any and all manual cleaning operations



### Benefits

- ▷ For the removal of adhesives, glues, sealants, rubber residues, tar, paint, ink, pen marks, grease, lubricants or oils
- ▷ Safe on all metals
- ▷ Biodegradable

### Features

- ▷ High flashpoint (45 °C) (113 °F)
- ▷ High strength formulation – very effective and fast acting



Nature Boost



## GS 200™

Natural high strength solvent

Made from natural bio-renewable extracts, GS 200 is a powerful solvent to be used in the most extreme applications. GS 200 is 100% concentrated Nature Boost which quickly and easily removes paint, ink, adhesives, anti-corrosion waxes, resins, tar, and many other hard to clean contaminants. *NSF category K3, registration #146172*



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 623	L-149E	12
Liquid	5 L	1.3 gal	53-G 626	L-149E	1
Liquid	20 L	5.2 gal	53-G 627	L-149E	1
Liquid	208 L	55 gal	53-G 628	L-149E	1

Colour: Clear



## SC 400™

Natural cleaner and degreaser

Formulated with citrus peel extracts, SC 400 is a powerful and fast acting alternative to petroleum-based solvent cleaners.

Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 513	L-68E	12
Liquid	3.78 L	1 gal	53-G 516	L-68E	1
Liquid	20 L	5.2 gal	53-G 517	L-68E	1
Liquid	200 L	52.8 gal	53-G 518	L-68E	1

Colour: Orange

# CLEANING, LUBRICATING AND TEMPORARY PROTECTION

## OMNI™

Cleaner/Lubricant/Protector

Multi-functional maintenance cleaner, lubricant and protector. Exhibits excellent penetrating and lubricating capability and protects surfaces from oxidation. *NSF category A8, registration #142610*



### Benefits

- ▷ Cleans greases and oils
- ▷ Non-conductive – dielectric strength up to 35 kV
- ▷ VOC-reduced
- ▷ Loosens rusted and seized hardware
- ▷ Compatible with Bio-Circle L

### Features

- ▷ Dissolves light rust and graphite
- ▷ Reduces friction and wear
- ▷ Displaces moisture and provides temporary corrosion protection
- ▷ High flashpoint (130 °C) (266 °F)
- ▷ Silicone and Teflon-free



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	480 ml	16.2 oz	53-X 002	L-73E	12
Sprayer	500 ml	16.9 oz	53-X 003	L-74E	12
Liquid	5 L	1.3 gal	53-X 006	L-74E	1
Liquid	20 L	5.2 gal	53-X 007	L-74E	1
Liquid	208 L	55 gal	53-X 008	L-74E	1

Colour: Clear





## FT 200™

Fast drying surface cleaner

Formulated for preparing and degreasing metallic surfaces for a wide range of applications, including painting, priming, coating, bonding, corrosion protection, metalizing and welding. *NSF category A1, registration #142612*



### Benefits

- ▶ Reduced VOC content when compared to solvent-based surface cleaners
- ▶ Ready-to-use
- ▶ Can be used on all metallic and plastic surfaces

### Features

- ▶ Replacement for surface preparation solvents such as acetone



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	53-G 173	L-128E	12
Liquid	20 L	5.2 gal	53-G 177	L-128E	1
Liquid	208 L	55 gal	53-G 178	L-128E	1

Colour: Clear

#### Accessories

#### Order no.

POWERCLOTH

57-M 001



Industrial strength cleaning,  
degreasing, lubrication and  
corrosion protection

Industrial  
**MRO**  
Solutions

**Powerful  
and  
safer**



**WALTER**

**SLAP SHOT**

**Cleaner and degreaser**

**Safe on plastics**

- Effectively cuts through and removes grease, oil and dirt
- Safe on all types of rubber gaskets, ABS, PVC, epoxy, PE, PC, PP, PTFE and silicone
- Compatible with all metals
- Without chlorinated solvents
- Strong aerosol jet blasts away grime and leaves no residue
- Fast evaporation

**Nettoyant et dégraissant**

**Compatible avec les plastiques**

- Dissout efficacement la graisse, l'huile et la saleté
- Compatible avec les joints de caoutchouc, ABS, époxy, PE, PC, PP, PTFE et silicone
- Compatible avec tous les métaux
- Sans solvant chloré
- Le puissant jet aérosol fait disparaître les saletés sans laisser aucun résidu
- S'évapore rapidement

400 ml  
13.5 fl oz [288 g]

53-C 552

# FAST EVAPORATING CLEANING AND DEGREASING



## REFILLING SYSTEM

### ***Air Force AF-PL***™

Industrial strength cleaner and degreaser

Your environmental impact is drastically reduced by using compressed air as a propellant and your costs are reduced by eliminating the need to dispose of empty aerosol cans. The reusable bottle is simply refilled over and over.



#### **Features**

- ▷ Free of chlorinated solvent, no rinsing and residue
- ▷ Removes grease, oil and dirt
- ▷ Safe on most plastics and rubber compounds
- ▷ Solvents penetrate and displace moisture

Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-C 557	L-65E	1
Liquid	200 L	52.8 gal	53-C 558	L-65E	1

## Air Force AF-PL 20 L - Starter kit

Order no. 53-M 952

### The starter kit includes:

Use of Air Force PL station\*, 1 x 53-C 557 AF-PL 20 L, 1 x 53-M 041 pail adaptor, 6 x 53-M 101 refillable bottles, 6 x 53-M 054 variable spray valve



## Air Force AF-PL 200 L - Starter kit

Order no. 53-M 953

### The starter kit includes:

Use of Air Force PL station\*, 1 x 53-C 558 AF-PL 200 L, 1 x 53-M 038 drum adaptor, 1 x 53-M 025 safety valve, 6 x 53-M 101 refillable bottles, 6 x 53-M 054 variable spray valve



*\*Air Force PL station remains the property of Walter Surface Technologies. A usage agreement will need to be signed between the customer and Walter upon purchase on any Air Force System.*

## AF-PL™

### Refillable sprayer

Durable and light weight aluminum AF-PL sprayer comes with an AF-PL specific label to clearly identify the contents and ensure full WHMIS compliance.

**Fill capacity:** 400 ml

**Operating pressure:** 90 - 125 psi

**Order no. 53-M 101** (6 per package)

Optional nozzles	Order no.
Wide spray	53-M 022
Long extension tube	53-M 052
Short extension tube	53-M 053
Variable spray	53-M 054
Accessories	Order no.
Air refilling station	53-M 010
Air nozzle	53-M 015
Replacement valve kit (includes 2 valves and 2 spray tips)	53-M 030
Brass screw cap	53-M 037
Replacement filling valve	53-M 039



No more disposing of hazardous aerosol cans

# CLEANING AND DEGREASING



## SLAP SHOT™

Industrial parts cleaner and degreaser

This highly effective, residue-free and fast evaporating cleaner/degreaser dissolves and removes grease, oil and grime on contact.

### Benefits

- ▷ Strong jet blasts away grease and grime
- ▷ Powerful to quickly and completely dissolve stubborn dirt and grease without leaving any residue
- ▷ Free of chlorinated solvent

### Applications

- ▷ Removal of glue, paint, ink, resin and sealant residue
- ▷ Removal of plastic foil and wax-like protective coatings
- ▷ Cleaning of ferrous and non-ferrous metals



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	500 ml	16.9 oz	53-C 502	L-39E	12
Sprayer	500 ml	16.9 oz	53-C 503	L-40E	12
Liquid	5 L	1.3 gal	53-C 506	L-40E	1
Liquid	20 L	5.2 gal	53-C 507	L-40E	1
Liquid	200 L	52.8 gal	53-C 508	L-40E	1

Accessories	Order No.
Spout for 20 L pail	53-L 207
Spout for 200 L drum	53-L 208
Replacement trigger sprayer bottle, 500 ml	53-L 311

## SLAP SHOT PL™

Cleaner and degreaser

*Safe on plastics*

Specially formulated for maximum compatibility with plastics and rubber-like compounds, this residue-free and fast evaporating cleaner/degreaser effectively dissolves and removes grease and oil.

### Benefits

- ▷ Strong jet blasts away grease and grime
- ▷ Quick acting and fast evaporating without residue
- ▷ Free of chlorinated solvent

### Applications

- ▷ Cleaning of metal parts in presence of plastic or gaskets
- ▷ Removal of glue, paint, ink, resin, sealant and flux residue
- ▷ Cleaning of electric components, instruments, lenses, glass, chains, gears, cables, etc.



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-C 552	L-64E	12





For use in  
food-processing  
environments



## FOOD ZONE™

Food grade lubricant

- ✓ Lubrication and temporary corrosion protection of food and beverage processing equipment
- ✓ Loosens rust, scale and corrosion
- ✓ Lubrication of moving and sensitive machine parts
- ✓ NSF approved H1 food grade lubricant (registration number 148372) for incidental contact with food

Visit: [walter.com](http://walter.com) or contact your Walter Representative

# FOOD-GRADE LUBRICANTS

## FOOD ZONE™

Food grade general-purpose lubricant

Multi-purpose lubricant and penetrating oil developed for food industry manufacturing plants. Extends equipment life and protects machinery against friction, wear and corrosion.

*NSF category H1, registration #148372*

### Benefits

- ▷ Lubrication and protection
- ▷ Displaces moisture and water
- ▷ Penetrates to loosen rusted parts
- ▷ Good for all metals including aluminum and iron

### Applications

- ▷ Lubrication and temporary corrosion protection of food and beverage processing equipment
- ▷ Loosens rust, scale and corrosion
- ▷ Lubrication of moving and sensitive machine parts



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 602	L-153	12

## FOOD ZONE V™

Heavy-duty food grade lubricant

Industrial strength lubricant primarily designed for heavy-duty applications and chain lubrication in facilities within the food manufacturing industry. The foamy, non-drying formula adheres to the surface and reduces friction, wear and corrosion in heavy loaded machinery.

*NSF category H1, registration #148374*

### Benefits

- ▷ Easy to apply
- ▷ Foamy formula for maximum adherence
- ▷ Protection against wear and corrosion
- ▷ Water resistant

### Applications

- ▷ Lubrication of chains and conveyor systems
- ▷ Lubrication of moving parts in heavily loaded industrial machinery
- ▷ For low to medium speed
- ▷ Ideal for vertical surfaces



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 652	L-154	12

# INDUSTRIAL LUBRICANTS



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	370 ml	12.5 oz	53-D 402	L-150	12

## POLY-LUBE™

Industrial multi-purpose lubricant

Ideal for the lubrication of metal parts, bits, dies, fasteners, bearings, valves, slides, tracks, pulleys, production equipment, parts in storage, and many more applications in the maintenance, repair and industrial purposes. *NSF category H2, registration #147194*

### Benefits

- ▷ High performance multi-purpose lubricant
- ▷ Leaves an oily film
- ▷ Indoor corrosion protection
- ▷ Penetrates and displaces moisture

### Features

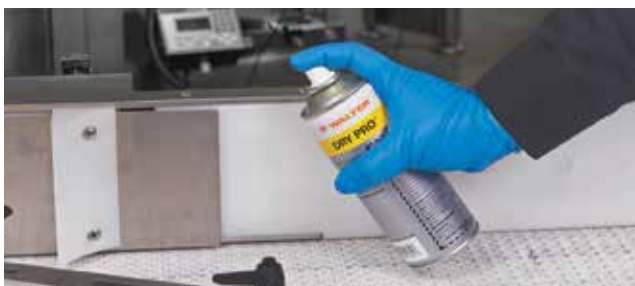
- ▷ High Flash Point 76 °C (168 °F)
- ▷ Non-flammable propellant
- ▷ High grade formula



## DRY PRO™

Dry PTFE lubricant

DRY PRO is a multi-purpose, dry film lubricant. For a clean, lightweight lubrication and protection. Ideal to prevent friction and wear in sliding parts and light load equipment.



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 502	L-151	12

### Benefits

- ▷ Contains PTFE for enhanced lubricity
- ▷ Produces a dry thin no-drip, quick drying film
- ▷ Will not attract dust and dirt
- ▷ Convenient to use: for difficult to reach equipment and vertical surfaces
- ▷ Resistant to high temperatures
- ▷ Compatible with all materials: metal, wood, plastics, glass
- ▷ No silicone or chlorinated solvents

### Applications

- ▷ Locking and sliding mechanisms
- ▷ Lubrication and protection where oils and greases cannot be used
- ▷ Great for locks, chains, doors and windows tracks
- ▷ Anti-seize
- ▷ Equipment assembly and disassembly
- ▷ Preventing buildups on metallic tools and surfaces
- ▷ Squeezing parts



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-E 102	L-16E	12

## OPEN GEAR™

High load drive lubricant

Adherent, long lasting, high load gear grease that prevents metal-to-metal contact to increase efficiency and service life of drives and gears even in harsh environments.

### Benefits

- ▷ Contains moly and EP additives for high load lubrication
- ▷ Resists up to 90,000 lbs/sq. in.
- ▷ Will not fly off nor attract dirt particles
- ▷ Water-resistant
- ▷ Working temperature: -20 °C to 180 °C (-4 °F to 356 °F)

### Applications

- ▷ All types of drives and gears
- ▷ Machinery, forklifts, also effective on wire ropes



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 102	L-05E	12

## CHAIN GANG™

High load chain lubricant

High performance, synthetic lubricant, penetrates fine clearances and seals out dust, dirt and water to multiply chain life.

### Benefits

- ▷ Contains moly for high load lubrication
- ▷ Prevents metal-to-metal contact
- ▷ Does not attract dirt particles
- ▷ Suitable for wet conditions
- ▷ Provides effective corrosion protection
- ▷ Working temperature: -20 °C to 150 °C (-4 °F to 302 °F)

### Applications

- ▷ All types of chain drives
- ▷ O-ring chains
- ▷ Machinery, forklifts
- ▷ Also effective on wire cables





Description	Size		Order no.	MSDS	Std pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 812	L-33E	12
Sprayer	500 ml	16.9 oz	53-D 813	L-45E	12
Liquid	5 L	1.3 gal	53-D 816	L-45E	1
Liquid	20 L	5.2 gal	53-D 817	L-45E	1

Accessories	Order no.
Replacement trigger sprayer bottle, 500 ml	53-L 331

## HANG-ON™

Adhesive lubricant

Highly adhesive and tenacious maintenance lubricant with superior lubrication under harsh conditions and over extended periods of time.

### Benefits

- ▷ Penetrates fine clearances
- ▷ Leaves a tacky, clear, no-drip film
- ▷ Resists exposure to weather, salt water, mild chemicals and temperatures up to 200 °C (390 °F)
- ▷ Biodegradable
- ▷ Chlorinated solvent and silicone-free

### Applications

- ▷ Lubrication and protection of: joints, sliding rails, hinges, forklifts and all mechanisms with moving parts



Description	Size		Order no.	MSDS	Std pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 892	L-08E	12
Sprayer	500 ml	16.9 oz	53-D 893	L-26E	12
Liquid	20 L	5.2 gal	53-D 897	L-26E	1

Accessories	Order No.
Replacement trigger sprayer bottle, 500 ml	53-L 332

## BOLT-OUT™

Penetrating lubricant

This heavy-duty, non-chlorinated formula penetrates and lubricates seized parts while inhibiting further rust in a wide range of temperatures.



### Benefits

- ▷ Microscopic moly particles provide excellent lubricity
- ▷ Displaces moisture, silicone-free
- ▷ Effective from -20 °C to 250 °C (-4 °F to 482 °F)
- ▷ Inhibits further rust

### Applications

- ▷ Disassembly of seized bolts, nuts, mechanisms, pins, bushings, etc.
- ▷ Loosening of hoists, pulley blocks, hinges



DESCRIPTION	SIZE		ORDER NO.	MSDS	STD PKG
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 852	L-43E	12
Paste	300 g	10.6 oz	53-D 854	L-44E	12

## ROCK'N ROLL™

Ceramic anti-seize lubricant

This innovative, inert, non-toxic, metal-free white lubricant provides long-term protection against corrosion and prevents seizing of assemblies even under extreme conditions.

### Benefits

- ▷ Non-hazardous, non-carbonizing, environmentally-safe
- ▷ Safe on all materials, long-lasting, water-resistant

### Applications

- ▷ Very effective for operations at high temperatures, up to 1400 °C (2500 °F)
- ▷ All threaded components, bushings, press fits

# CUTTING FLUIDS

## COOLCUT™

Metal cutting lubricant

High performance metal cutting lubricant stands up to pressure and heat to reduce tool wear, prevent tool breakage, increase production rates and improve surface finish.



### Benefits

- ▷ Reduces friction and heat for longer tool life and better finish
- ▷ Allows increased feed rates and higher speeds to save time
- ▷ Contains no chlorinated waxes or chlorine

### Applications

- ▷ For all machining operations: drilling, sawing, tapping, milling, reaming, broaching, nibbling and shearing
- ▷ Suitable for steel, stainless steel, tough alloys and all other ferrous and non-ferrous metals

Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol (gel)	312 g	11 oz	53-B 002	L-01E	12
Sprayer	500 ml	16.9 oz	53-B 004	L-09E	12
Paste	200 g	7 oz	53-B 023	L-52E	12
Solid stick	300 g	10.5 oz	53-B 013	L-22E	12
Squeeze bottle	350 ml	11.8 oz	53-B 003	L-09E	12
Liquid	5 L	1.3 gal	53-B 006	L-09E	1
Liquid	20 L	5.2 gal	53-B 007	L-09E	1
Liquid	208 L	55 gal	53-B 008	L-09E	1

### Accessories

### Order No.

Spout for 5 L pail	53-L 113
Spout for 20 L pail	53-L 207
Faucet for 208 L drum, 2"	53-L 209
Spout for 208 L drum, 3/4"	53-L 210

## COOLCUT S-30™

Soluble cutting lubricant

Water soluble cutting lubricant specially designed for metal removing operations on all types of ferrous and non-ferrous metals with varying degrees of hardness. Contains extreme pressure additives (EP) with no chlorine. Will not gum up slides and glides, and will not allow bacteria to grow when unused for periods of time.

### Benefits

- ▷ Generates highly stable, fine disperse emulsion
- ▷ Very low foaming
- ▷ Dilutes up to 1:30
- ▷ Allows increased feed, speed and production
- ▷ Excellent corrosion protection

### Applications

- ▷ For all drilling, sawing, milling, turning, reaming, broaching, shaping and grinding operations of steel, stainless steel and other non-ferrous metals.



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	5 L	1.3 gal	53-C 006	L-119E	1
Liquid	20 L	5.2 gal	53-C 007	L-119E	1
Liquid	208 L	55 gal	53-C 008	L-119E	1

### Accessories

### Order no.

Preservative/booster, 1 L	53-C 011
Spout for 5 L pail	53-L 113
Spout for 20 L pail	53-L 207
Faucet for 208 L drum, 2"	53-L 209
Spout for 208 L drum, 3/4"	53-L 210



## ALUCUT™

Aluminum cutting lubricant

High performance cutting lubricant specially formulated for use on aluminum and other non-ferrous metals to extend cutting tool life.

### Benefits

- ▷ Will not stain
- ▷ Reduces scoring and chatter marks
- ▷ Produces a better finish
- ▷ Ensures high lubricity

### Applications

- ▷ Circular chop saw, drilling, tapping, jig sawing, nibbling, shearing, portable band sawing



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Solid stick	300 g	10.5 oz	53-B 303	L-04E	12



## STAINLESSCUT™

Stainless steel cutting lubricant

Designed for tough metal cutting operations such as stainless steel.

### Benefits

- ▷ Well-balanced extreme pressure additive, also suitable for use on other ferrous alloys
- ▷ Excellent lubricity and cooling properties
- ▷ Contains no sulphur or chlorine
- ▷ Easy clean-up, washes off completely with water

### Applications

- ▷ Drilling, sawing, milling, turning, reaming, broaching

Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	312 g	11 oz	53-B 202	L-53E	12
Squeeze bottle	350 ml	11.8 oz	53-B 203	L-114E	12
Liquid	5 L	1.3 gal	53-B 206	L-114E	1

Accessories	Order No.
Spout for 5 L pail	53-L 113



## ICECUT™

Ready-to-use coolant and lubricant

Specially formulated for use with magnetic drilling units to reduce tool wear and improve production rates.

### Benefits

- ▷ Nitrate, amine and boron-free
- ▷ Not controlled under WHMIS
- ▷ Improved finish, long tool life
- ▷ Non-toxic, biodegradable

### Applications

- ▷ Drilling with annular cutters, carbide core cutters and drill bits in steel, stainless steel and other ferrous and non-ferrous metals



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Liquid	5 L	1.3 gal	53-C 056	L-122E	1
Liquid	20 L	5.2 gal	53-C 057	L-122E	1
<b>Accessories</b>					<b>Order no.</b>
Spout for 5 L pail					53-L 113
Spout for 20 L pail					53-L 207



## TAPCUT™

Thread cutting lubricant

Specially formulated for thread cutting with taps and dies.

### Benefits

- ▷ Anti-wear additives create a low friction film so that taps and dies cut faster and last longer

### Applications

- ▷ For use on all types of metals including alloys and stainless steel
- ▷ Hand tapping, machine tapping, threading



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Squeeze bottle	350 ml	11.8 oz	53-A 103	L-115E	12
Liquid	5 L	1.3 gal	53-A 106	L-115E	1
Liquid	20 L	5.2 gal	53-A 107	L-115E	1
<b>Accessories</b>					<b>Order No.</b>
Spout for 5 L pail					53-L 113
Spout for 20 L pail					53-L 207



# CORROSION PROTECTION

## SHIELD PRO™

Heavy-duty industrial corrosion protection

Ideal for the corrosion protection of metal parts, for indoor and outdoor storage, outdoor equipment and tools, overseas storage and shipments, cables, chains, pulleys, pump and hose assemblies, and many more maintenance and repair applications.

### Benefits

- ▷ Long-term indoor and outdoor corrosion protection
- ▷ Non-drying film
- ▷ Resists salt water

### Features

- ▷ High Flash Point 30 °C (86 °F)
- ▷ Non-flammable propellant
- ▷ ASTM compliant



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	380 ml	12.8 oz	53-H 252	L-152	12



## ZINC-100™

### Bright galvanizing spray

A bright, long lasting corrosion protection spray, specially formulated for the touch-up and repair of hot galvanized parts in compliance with ASTM standards.

#### Benefits

- ▷ Bright metallic-like finish matches “hot dipped” look
- ▷ Contains elemental zinc
- ▷ Meets ASTM A-780 specifications
- ▷ Resists chemical and water attack, can be painted over

#### Applications

##### Manufacturing, repair and installation of:

- ▷ Outside structures, water and storage tanks, pipe work, food processing equipment



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	11.5 oz	53-H 102	L-54E	12

## ZINC-200™

### Cold galvanizing spray

High performance, fast drying, ASTM compliant spray offers the ultimate corrosion protection for ferrous metals even if the surface gets scratched.

#### Benefits

- ▷ Longest lasting corrosion protection in harsh environments
- ▷ Contains elemental zinc
- ▷ Excellent primer
- ▷ Meets ASTM A-780, MIL, DOD and USDA specifications

#### Applications

##### For touch-up and repair of:

- ▷ Fencing, scaffolding, playground and sports equipment, marine equipment, roofing, siding



Description	Size		Order No.	MSDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	11.5 oz	53-H 152	L-95E	12

# Accessories



# BIO-CIRCLE INDUSTRIAL PARTS CLEANING SYSTEM ACCESSORIES

## Parts washing basket

▷ 9" dia x 8 ¼" high

▷ 1/4" holes

Order no. 55-B 004



## Filter cartridges

▷ Disposable 200 micron:

Order no. 55-B 021

▷ Disposable 100 micron:

Order no. 55-B 012

▷ Reusable 100 micron:

Order no. 55-B 036

▷ Reusable 150 micron:

Order no. 55-B 037

▷ Reusable 200 micron:

Order no. 55-B 038

▷ Reusable 350 micron:

Order no. 55-B 011



## Bio-Circle COMPACT S dolly

Order no. 55-B 089

## Angled flow-through brush

Order no. 55-B 007



## Sink lid

▷ For MAXI:

Order no. 55-B 032



## Disposable filter bags for Bio-Circle machines

▷ 50 micron:

Order no. 55-B 041

▷ 100 micron:

Order no. 55-B 042

▷ 200 micron:

Order no. 55-B 043



## Bio-Circle COMPACT S filter bowl

Order no. 55-B 088



## Replacement flow-through brush

Order no. 55-B 005



## Filter housing spanner

▷ For MAXI:

Order no. 55-B 035



## Bio-Circle scraper

Order no. 55-B 063



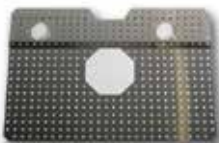
## Stainless steel sink insert

▷ For MAXI:

Order no. 55-B 031

▷ For Compact S:

Order no. 55-B 045



## Small industrial parts washing basket

Order no. 55-B 087



## Bio-Circle parts drying gun

Order no. 55-B 085



## Trolley

▷ For MAXI:

Order no. 55-B 062



## Stainless steel sink extension for Bio-Circle MAXI

Order no. 55-B 046

The perfect extension for your Bio-Circle MAXI industrial parts washer if you need to clean larger and heavier metal parts. This sink extension can be easily installed onto your Bio-Circle MAXI parts washer, giving you added space and strength for those larger metal pieces.

▷ Ideal for heavy and oversized parts

▷ Max. weight : 1000Lbs

▷ Overall dimensions (L x W x H): 151.9 cm x 104.6 cm x 115.6 cm (59.8" x 41.2" x 45.5")

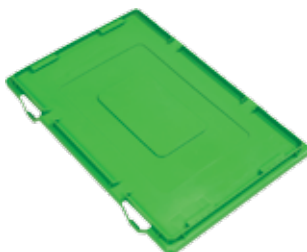
▷ Max tank capacity 120 L (31.7 gal)

# CLEANBOX DIP AND CLEANBOX FLOW ACCESSORIES

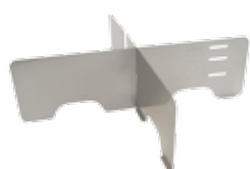
CleanBox Dip dolly  
Order no. 55-B 083



CleanBox lid  
Order no. 55-B 122



CleanBox Flow 2-level cart  
Order no. 55-B 090



**Wave breaker**  
Order no. 55-B 091

The wave breaker is a new optional piece that can be added to your CleanBox Flow to prevent your cleaning solution from displacing while your unit is in motion.

## BIO-CIRCLE POWERCLOTH™

- ▷ Ideal for streak free clean-ups
- ▷ Non-abrasive, won't scratch mirror finish, paint or clear coat



Description	Qty	Order No.
Bag	10 per pack	57-M 001
Box	50 per pack	57-M 005
Case	100 per pack	57-M 010

## REFILLABLE TRIGGER SPRAYERS

Practical and sturdy, all bottles are clearly identified with product specific labels showing product features, WHMIS information and directions for use. High-quality, resistant trigger for longest life. Transparent bottle allows you to see product level. Can be refilled hundreds of times.



Description	Size		Order No.	Std Pkg
	Metric	US Gal		
UNO S F	950 ml	32.1 oz	53-L 158	1
POWER CLEANER 100	500 ml	16.9 oz	53-L 309	1
SC 400	500 ml	16.9 oz	53-L 313	1
OMNI	500 ml	16.9 oz	53-L 314	1
UNO S	500 ml	16.9 oz	53-L 315	1
E-NOX SHINE	500 ml	16.9 oz	53-L 316	1
FT 200	500 ml	16.9 oz	53-L 322	1
UNO SV	500 ml	16.9 oz	53-L 336	1
E-NOX CLEAN	500 ml	16.9 oz	53-L 337	1
GS 200	500 ml	16.9 oz	53-L 341	1
SLAP SHOT	500 ml	16.9 oz	53-L 311	1
HANG-ON	500 ml	16.9 oz	53-L 331	1
BOLT-OUT	500 ml	16.9 oz	53-L 332	1

## INDUSTRIAL PUMP SPRAYERS

Rugged and convenient sprayers designed to effectively dispense a variety of Bio-Circle® cleaners, lubricants and anti-spatter products.

The spray pattern can easily be adjusted from a pin point jet for accurate product dispensing to a wide fan for fast surface coverage. Viton gaskets and corrosion-proof spring for optimal chemical resistance. These thick walled polyethylene bottles feature a wide neck for easy filling hundreds of times.



Description	Size		Order No.	Std Pkg
	Metric	US Gal		

For SC 400, GS 200, CB 100, AF-PL, FT 200 and OMNI

900 ml	30 oz	53-L 120	1
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Accessories			
Replacement Viton gasket set		53-L 100	1
Replacement spray nozzle (without gaskets)		53-L 104	1
Replacement swirl piece (without gaskets)		53-L 114	1

# SPOUTS

Description	Order no.
Spout for 5 L plastic pail	53-L 113
Spout for 20 L square plastic pail	53-L 207
Spout for 20 L round metal pail	53-L 211 (plastic spout) and 53-L 208 (metal spout), 3/4" NPT
Spout for 208 L plastic drum	53-L 209, 2" NPT and 53-L 210, 3/4" NPT
Spout for 200 L metal drum	53-L 208, 3/4" NPT and 53-L 209, 2" NPT

**TECH TIP:** When transferring flammable liquids, always ensure containers are grounded and follow normal safety rules.

53-L 113\*



5 L plastic pail

53-L 207\*



20 L square plastic pail

53-L 211\*



20 L round metal pail

53-L 209



2" NPT

208 L plastic drum

53-L 210\*



3/4" NPT

53-L 208\*



3/4" NPT

200 L metal drum

\*Allows to fill 500 ml trigger sprayer bottles or any other larger container directly.

## Metal drum pump

For use with lubricants or viscous liquids  
Delivers 12 oz per stroke.

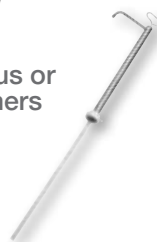
Order no. 53-L 115



## Chrome plated drum pump

For use with aqueous or solvent based cleaners  
Delivers 8 oz per stroke.

Order no. 53-L 116



## Hand pump

For effective fluid transfer, use with Bio-Circle

Order no. 55-B 051



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