

2016

INNOVATIVE CLEANING SOLUTIONS FOR THE METALWORKING INDUSTRY

INDUSTRIAL PARTS WASHING SYSTEMS
CLEANING AND DEGREASING
LUBRICATION · CORROSION PROTECTION



biocircle.com



Making green work.



INDUSTRIAL. POWERFUL. SAFE.

This is what Making Green Work is all about. All over the world, Bio-Circle® provides powerful, certified and safe cleaning solutions.

We are your subject matter experts in environmental cleaning solutions for the industrial world. Regardless of industry or cleaning application, no compromises on health, safety, or productivity should ever have to be made. Bio-Circle provides the safest and most efficient cleaning solutions, to help our customers work better and safer.

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 ground-breaking 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.

Your comprehensive expert resource

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.





90 cm x 60 cm x 112 cm
(35" x 24" x 44")

CLEANBOX® COMPACT S

Optimal size unit for cleaning and degreasing

The CleanBox® Compact S is the ideal cleaning and degreasing system. Available in two formats to meet your specific needs, a heated version for extra fast cleaning action or a non-heated version for great cleaning power at room temperature.



97 cm x 69 cm x 110 cm
(38" x 27" x 43")

CLEANBOX® MAXI

Maximize your cleaning and degreasing efforts with more space to clean

The CLEANBOX® MAXI comes with the same functions as the CleanBox® Compact S, but with a bigger and sturdier surface. Extra-robust design, an ideal for larger and heavier parts. Available in a heated version, for great cleaning performance at room temperature, and in a non-heated version for lower temperature conditions, or when extra cleaning performance is needed.



142 cm x 142 cm x 52 cm
(56" x 56" x 20 1/2")

CLEANBOX® MEGA

For users with extra large parts requirements

Super-sized parts also need cleaning. Use the CleanBox® Mega to clean and degrease extremely large parts. The system includes a foot-pedal activated flow-through brush that's funneled with a hose supplying the cleaning product through it; ergonomically designed and easy to clean all surfaces. Great cleaning power at room temperature with CB 100 and CB 100 ALU.



BIO-CIRCLE® CLEANER SELECTOR™ APP

The Bio-Circle® Cleaner Selector app version 2.0 is designed to help workers in MRO and production environments conveniently select the right product for the application at hand. Select the contaminant you are cleaning, the parent material, size of the part or surface, and preferred cleaning method – and the app will generate a product recommendation.

A friendly user interface allows for easy navigation and an enjoyable experience. Download the Bio-Circle® Cleaner Selector app in either the Apple or Android store, and step into a new generation of industrial cleaning!



OMNI™ for Air Force station

Refillable Aerosol System for OMNI Cleaner Protector and Lubricant

At last, OMNI is now available with the Air Force refilling system. Enjoy all the benefits of this multi-functional cleaner, lubricant and protector while minimizing your chemical waste stream.



COOLCUT S-50™

Long lasting, high stability water-miscible cutting fluid

Premium cutting results can be achieved even in severe machining processes and high-pressure conditions. Additives provide extra lubricity for hard-to-machine materials like high tensile steel and stainless steel, titanium and aluminum, or in higher-pressure machining processes (up to 80 bars of pressure).

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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:

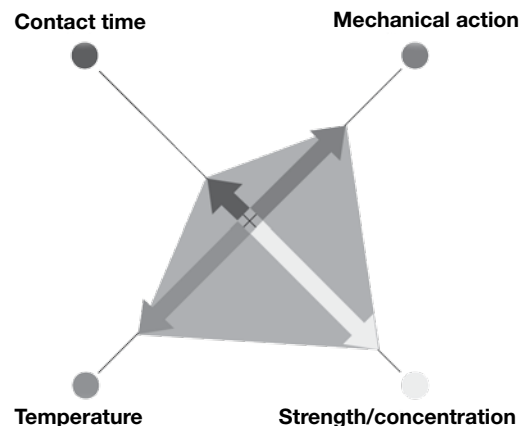
- Contact time
- Mechanical action
- Temperature
- Strength/concentration

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



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 Bio-Circle Ultra CB 100
	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 100	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	ALUSTAR 100 ALUSTAR 200 ALUSTAR 300	CB 100 ALU	Bio-Circle Aero CB 100 ALU
	Copper / Brass	AF-Clean FT 200	CB 100 ALU	ALUSTAR 100	ALUSTAR 100	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 ALUSTAR 100	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					ULTRA-POWERFUL NATURAL CLEANER AND DEGREASER		
<i>Inorganic:</i> rust, corrosion, limescale, calamine, heat tint, etc.					<i>Other:</i> paint, glue, adhesive, ink, wax, tar, etc.		
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!
BIO-CIRCLE L BIO-CIRCLE ULTRA BIO-CIRCLE AERO	No	None	Neutral	Yes	Yes	No	Yes	No	Yes	0%
AF CLEAN	Yes (after wiping)	Low (130°C/266°F)	Slightly alkaline	Low	No	No	Yes	No	Yes	12%
CB 100	No	None	Slightly alkaline	Yes	Yes	No	Yes	No	Yes	0%
CB 100 ALU	No	None	Slightly alkaline	Yes	Yes	No	Yes	No	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	Low	Yes	No	Yes	Yes (up to 1:20)	Yes	0%
ALUSTAR 200	No	None	Alkaline	Low (when used as directed)	Yes	No	Yes	Yes (up to 1:200)	Yes	0%
ALUSTAR 300	No	None	Alkaline	Low	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)	---	Yes	No	No	No	No	Yes	20%
SC 400	No	Mod. (45°C/113°F)	---	Yes	No	No	No	No	Yes	100%
OMNI	No	Mod. (45°C/113°F)	---	Yes	Yes	Yes	No	No	No	4%
FT 200	Yes (after wiping)	Mod.(40°C/104°F)	Slightly alkaline	Low	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 ⁶ 40CFR ⁷ compliant	CARB ⁴ compliant	HAP ⁸ free	TSCA compliant	DSL compliant ⁵	NSF approved ²	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	Yes	Yes	No
CB 100 ALU	Yes	Yes	Yes	Yes	Yes	No	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	Yes	Yes	No
GS 200	Yes	Yes	Yes	Yes	Yes	Yes	Yes	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

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



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.



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

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 conveniently.

- 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 SDS/TDS, videos and free samples!



CLEAN BOX™
BIO-CIRCLE®

PARTS WASHING SYSTEMS

BIO-CIRCLE:
HIGH-STRENGTH
CLEANING SOLUTIONS
POWERED BY NATURE



INNOVATIVE. POWERFUL. ECONOMICAL.

Environmentally friendly industrial cleaning solutions.

Bio-Circle produces powerful cleaners and degreasers, as well as bio-remediating and bio-renewable industrial parts washing systems. We are your expert resource in environmental cleaning solutions for the industrial world.

100%
non-toxic
non-flammable
VOC-free
biodegradable
cleaning solutions





The safest and most efficient solution for companies seeking cost-effective green cleaning technology. Bio-Circle parts washing systems drastically reduce chemical waste, and are a proven alternative to traditional solvent cleaners. Bio-Circle machines eliminate regulatory paperwork and the need for respiratory and ventilation equipment associated with solvent-based cleaning systems.

Our Parts Washers are designed to meet any of your particular cleaning requirements. Discover how our two cleaning technologies, Bio-Renewable liquids and Bio-remediating liquids, can address your needs.

BIO-RENEWABLE

Bio-renewable cleaning liquids are powered by Nature Boost™, an exclusive and powerful ingredient derived from plant-based extracts.



Bio-renewable solutions keep their full cleaning power over a longer period of time than toxic solvents because the oil separates and floats to the surface, allowing you to skim oils from the top of your tank.

Perfect for manual parts washing applications.

Extremely effective at room temperature – helping save you money. Bio-renewable liquids are 100% non-toxic and non-flammable.

Bio-renewable liquids are the ideal choice for the most heavy-duty, hard-to-clean and organic contaminants.

BIO-REMEDIATING

Bio-Circle offers three distinct bio-remediating industrial parts washing liquids.

Our bio-remediating family of cleaners contain live micro-organisms that digest oils and other organic contaminants, turning them into water and carbon dioxide.

This system significantly reduces waste and disposal costs. For peace of mind, we also offer a care service program carried out by a professional technician who will perform on-site maintenance.

Bio-remediating liquids are VOC-free and maintain their cleaning power over time, an economical and environmental advantage over toxic solvents and weaker water based systems.

BIO-RENEWABLE SYSTEMS

These cleaning systems are recommended for use with the CB 100 and CB 100 ALU. They are perfect for all heavy-duty and synthetic contaminants and perform exceptionally well at room temperature. See CB 100 and CB 100 ALU ultra-powerful natural cleaners and degreasers on page 26.

NEW



CleanBox® COMPACT S

Optimal size unit for cleaning and degreasing

The CleanBox® Compact S is the ideal cleaning and degreasing system. Available in two formats to meet your specific needs.

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)

Order no. 55-D 365

Heated version / For extra fast cleaning action or in lower temperature room conditions

Order no. 55-D 360

Non-heated version / Great cleaning power at room temperature with CB 100 and CB 100 ALU solutions



CleanBox® MAXI

Maximize your cleaning and degreasing efforts with more space to clean

Includes the same functions as the CleanBox® Compact, but with a bigger and sturdier surface. Built with a double wall, it's ideal for larger and heavier parts.

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)

Order no. 55-D 615

Heated version / For extra fast cleaning action or in lower temperature room conditions

Order no. 55-D 610

Non-heated version / Great cleaning power at room temperature with CB 100 and CB 100 ALU solutions



CleanBox® MEGA

For large liquid volume users with extra large parts requirements

Super-sized parts also need cleaning. Use the CleanBox® Mega to clean and degrease extremely large parts. The system includes a foot-pedal activated flow-through brush that's funneled with a hose supplying the cleaning product through it; ergonomically designed and easy to clean all surfaces.

DIMENSIONS L x W x H	MAX TANK CAPACITY	LOAD CAPACITY
142 cm x 142 cm x 52 cm (56" x 56" x 20 1/2")	300 L (66 gal)	1000 Kg (2,200 lbs)

Order no. 55-D 030

Great cleaning power at room temperature with CB 100 and CB 100 ALU solutions.





CleanBox® Flow

Powerful benchtop parts washer

The CleanBox® Flow is an industrial parts washer designed for use on a counter, table or benchtop. 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.

Dimensions L x W x H

CleanBox Flow sink: 61 cm x 45.7 cm x 90.8 cm / (24" x 18" x 35.75")

CleanBox Flow tank: 600 mm x 400 mm x 300 mm / 23.6" x 15.75" x 11.8"

Order no. 55-D 020



CleanBox® Flow Mobile

A portable parts washing solution

The CleanBox® Flow Mobile kit consists of a tank a flow-through cleaning brush, a tank, a pump, and a cart for mobility. The CleanBox Flow Mobile kit allows you to easily clean and degrease heavily contaminated parts anywhere within your work environment.

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 a 20 L / 5.3 gal. pail of CB 100
- ▷ Equipped with 4 casters (two with locking brakes)

CleanBox Flow 2-level cart dimensions

Dim. of the Clean Box Flow sink: 600 x 400 x 150 mm / 24" x 18" x 35.75"

Dim. of the Clean Box Flow tank: 600 x 400 x 300 mm / 23.63" x 15.75" x 11.81"

Order no. 55-D 020
CleanBox Flow

Order no. 55-B 090
Clean Box Flow Mobile Cart





CleanBox® Dip | *Benchtop Dip Tank*

CleanBox is ideal for use with CB 100, Bio-Rust and other Bio-Circle cleaning solutions

CleanBox® is a compact, portable dip tank you can move between workstations as needed. With a built-in strainer, small to medium sized parts are easily immersed and removed for quick, easy cleaning. A lid helps to minimize spillage and evaporation. This economical cleaning system is recommended for use with CB 100 (page 26), Bio-Rust (page 35) and other innovative Bio-Circle cleaning solutions.

CleanBox® Dip

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

Order no. 55-D 010



CleanBox® Dip Mobile

CleanBox® Dip Mobile allows easy pre-soaking of industrial parts while ensuring worker efficiency; the CleanBox® Dip Mobile goes wherever you go.

Order no. 55-D 010
CleanBox Dip

Order no. 55-B 083
CleanBox dolly



BIO-RENEWABLE START-UP PACKAGES

Each start-up package includes an industrial parts washer or a dip tank and ultra-powerful natural cleaning and degreasing solutions

CLEANBOX® FLOW PACKAGE

Order no. 55-D 020CB



Nature Boost

Includes:

- ▷ 1 x 20 L / 5.2 gal. CB 100 (53-G 167)
- ▷ 1 x CleanBox® Flow (55-D 020)



CB 100

CLEANBOX® FLOW MOBILE PACKAGE

Order no. 55-D 020CBMP

Includes:

- ▷ 1 x 20 L / 5.2 gal. of CB 100 (53-G 167)
- ▷ 1 x CleanBox® Flow (55-D 020)
- ▷ 1 x CleanBox® Flow Mobile cart (55-B 090)



CB 100

CLEANBOX® DIP MOBILE PACKAGE

Order no. 55-D 010CBMP

Includes:

- ▷ CleanBox® Dip (tank, strainer, lid): 55-D 010
- ▷ 3 x 20 L / 5.2 gal of CB 100 (53-G 167)
- ▷ CleanBox® dolly (55-B 083)



CB 100

CLEANBOX® DIP PACKAGE

Order no. 55-D 010CBP

Includes:

- ▷ CleanBox® Dip (tank, strainer, lid): 55-D 010
- ▷ 3 x 20 L / 5.2 gal of CB 100 Natural Industrial cleaner and degreaser: 53-G 167



CB 100

BIO-RENEWABLE START-UP PACKAGES

Each start-up package includes an industrial parts washer and ultra-powerful natural cleaner and degreaser solutions.



Nature Boost



CleanBox® COMPACT S

Order no.

Heated version

Order no.

Non-heated version

CB 100	CB 100 ALU	CB 100	CB 100 ALU
55-D 365CBP	55-D 365CBAP	55-D 360CBP	55-D 360CBAP



6 X CB 100 / CB 100 ALU pails (20 L / 5.2 gal.)



55-D 365CBD	55-D 365CBAD	55-D 360CBD	55-D 360CBAD

1 X CB 100 / CB 100 ALU Bio-Circle drum (208 L / 55 gal.)



CleanBox® MAXI

Order no.

Heated version

Order no.

Non-heated version

CB 100	CB 100 ALU	CB 100	CB 100 ALU
55-D 615CBP	55-D 615CBAP	55-D 610CBP	55-D 610CBAP



6 X CB 100 / CB 100 ALU pails (20 L / 5.2 gal.)



55-D 615CBD	55-D 615CBAD	55-D 610CBD	55-D 610CBAD

1 X CB 100 / CB 100 ALU Bio-Circle drum (208 L / 55 gal.)



CleanBox® MEGA

Order no.

Non-heated

CB 100	CB 100 ALU
55-D 030CBD	55-D 030CBAD



2 X CB 100 / CB 100 ALU Bio-Circle drums (208 L / 55 gal.)



For peace of mind, inquire about our Care Service™

The program consists of a 20-point inspection of your parts washer(s), carried out by a professional technician who will perform on-site maintenance. See page 22 for more details.

BIO-REMIEDIATING SYSTEMS

These environmentally-friendly, safe and efficient cleaning systems are recommended for use with the Bio-Circle BIO-REMIEDIATING range of cleaners. Bio-Circle solutions eliminate the need for frequent replenishment, monthly waste disposal and toxic material management challenges associated with solvent-based cleaning systems.

Bio-Circle® COMPACT S

Efficient size for most cleaning jobs

The Bio-Circle® Compact S is an ideal cleaning system for maintenance, repair, operations and machine shops. The addition of an optional cart (see page 56) makes it a mobile solution for use at multiple work stations.

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)

Order no. 55-D 350



Bio-Circle® MAXI

For the heaviest parts and toughest cleaning applications

The Bio-Circle® Maxi is our most versatile system with the greatest load capacity to accommodate heavier industrial parts.

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)

Order no. 55-D 600



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.

DIMENSIONS L x W x H	MAX TANK CAPACITY	LOAD CAPACITY
151.9 cm x 104.6 cm x 115.6 cm (59.8" x 41.2" x 45.5")	140 L (37 gal.)	440 Kg (1000 lbs)

Order no. 55-B 046



BIO-REMEDATING 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!

Bio-Circle® L is notable for its environmentally-friendly, safe and efficient cleaning action. It is non-toxic, non-flammable and has been used to replace harsh solvents in facilities worldwide. *NSF category C1, registration #141285*



Description	Size		Order No.	(M)SDS	Std pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	55-A 007	L-78E	1
Liquid	208 L	55 gal	55-A 008	L-78E	1

Bio-Circle® Ultra

Heavy-duty cleaning and bio-remediating liquid

Bio-Circle® Ultra quickly cuts through some of the toughest industrial contaminants, offering a green alternative to some of the most commonly used dangerous solvents. It quickly removes: crude oil, bitumen, heavy grease, baked-on contaminants and more. *NSF category C1, registration #145549*



Description	Size		Order No.	(M)SDS	Std pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	55-A 107	L-148E	1
Liquid	208 L	55 gal	55-A 108	L-148E	1

Bio-Circle® Aero

Cleaning and bio-remediating 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) and AMS 1526C.**

Description	Size		Order No.	(M)SDS	Std pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	55-A 207	L-161E	1
Liquid	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

BIO-REMIEDIATING SYSTEMS START-UP PACKAGES

Each start-up package includes an industrial parts washer and safe and efficient BIO-REMIEDIATING cleaning solutions.

Bio-Circle® COMPACT S



	<i>Order no.</i>	<i>Order no.</i>	<i>Order no.</i>
	Bio-Circle L	Bio-Circle AERO	Bio-Circle ULTRA
	55-D 350BCLP	55-D 350BCAP	55-D 350BCUP
6 Bio-Circle pails (20 L / 5.2 gal)			
	55-D 350BCLD	55-D 350BCAD	55-D 350BCUD
	1 Bio-Circle drum (208 L / 55 gal)		



Bio-Circle® MAXI



	<i>Order no.</i>	<i>Order no.</i>	<i>Order no.</i>
	Bio-Circle L	Bio-Circle AERO	Bio-Circle ULTRA
	55-D 600BCLP	55-D 600BCAP	55-D 600BCUP
6 Bio-Circle pails (20 L / 5.2 gal)			
	55-D 600BCLD	55-D 600BCAD	55-D 600BCUD
	1 Bio-Circle drum (208 L / 55 gal)		



For peace of mind, inquire about our Care Service™

The program consists of a 20-point inspection of your parts washer(s), carried out by a professional technician who will perform on-site maintenance. See page 22 for more details.



CARE Service™

Bio-Circle® offers a world-class customer service program to suit the tailored needs of each client. The program consists of a 20-point inspection of your parts washer(s), carried out by a professional technician who will perform on-site maintenance.

Plans available customized to your needs

The CARE service 20-point inspection includes:

- ▷ Solution pH analysis
- ▷ Solution temperature verification
- ▷ Cleaning/replacement of the filter cartridge
- ▷ Replacement of air diffusers
- ▷ Float switch inspection
- ▷ Mushroom button verification
- ▷ Air pump verification
- ▷ Heater module verification
- ▷ Overall visual inspection
- ▷ Inside and out cleaning
- ▷ Replacement of hand brushes
- ▷ Complete solution filtration
- ▷ Gaskets verification
- ▷ Filter house inspection
- ▷ Hoses and connections verification
- ▷ Flow-through brush inspection
- ▷ 3-way valve inspection
- ▷ Elimination of interior sediments
- ▷ Top-up of cleaning liquid*
(Liquid sold separately)
- ▷ Recycling of used pails

Sign up for the Bio-Circle CARE Service program and get peace of mind knowing your part washer(s) are taken care of!

Note: 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 CARE Service program.

REFILLING SYSTEMS



Air Force AF-CLEAN™

High-performance, eco-friendly cleaning and degreasing system

Air Force AF-CLEAN uses a unique cleaner that covers up to seven times the surface area compared to the same amount of acetone, allowing you to use a safer solution in much smaller quantities. Clean and prepare your surfaces for painting, priming, coating, corrosion protection and bonding, while removing a wide range of contaminants including: machining oils, corrosion protection films, fingerprints, dust, separating agents, traces of smoke and light waxes.

Features

- ▷ Up to 7 times the surface coverage of acetone
- ▷ Residue-free after wiping
- ▷ Non-flammable
- ▷ VOC-reduced
- ▷ Cost savings
- ▷ Biodegradable
- ▷ Fast drying

Benefits

- ▷ Use less liquid cleaner to do the same amount of work
- ▷ Save money
- ▷ Reduced hazardous waste stream
- ▷ VOC-reduced



Description	Size		Order No.	(M)SDS	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-137E	6
Replacement valve kit			57-B 001		
Replacement spray nozzles			57-B 002		

VIDEO



www.walter.com

Air Force AF-CLEAN™ packages

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.



Start-up packages

Air Force AF-CLEAN 10 L / 2.6 gal.

Order no. 57-D 100AFCBB

The start-up package includes:

- ▷ 1 x pack of 10 microfiber cloths
- ▷ 2 x AF-Clean refillable sprayer
- ▷ 4 x 10 L / 2.6 gal. Bag-in-Box AF-Clean
- ▷ 1 x AF-Clean station

Air Force AF-CLEAN 208 L / 55 gal.

Order no. 57-D 100AFCD

The start-up package includes:

- ▷ 1 x pack of 10 microfiber cloths
- ▷ 6 x AF-Clean refillable sprayer
- ▷ 1 x 208 L / 55 gal. AF-Clean Drum
- ▷ 1 x AF-Clean station



**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.*

CLEANING AND DEGREASING

THE MOST POWERFUL
NON-TOXIC ALTERNATIVE
TO TOXIC SOLVENTS



CAP-3T

CB 100
NON-TOXIC ALTERNATIVE TO TOXIC SOLVENTS

CB 100
NON-TOXIC ALTERNATIVE TO TOXIC SOLVENTS

INDUSTRIAL CLEANING AND DEGREASING

CB 100™

Ultra-powerful natural cleaner and degreaser



Nature Boost

CB 100 is the next generation of cleaning technology. 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 and stainless steel. *NSF category C1, registration #148555*



Description	Size		Order No.	(M)SDS	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™

Ultra-powerful natural cleaner and degreaser for aluminum and non-ferrous alloys



Nature Boost

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.	(M)SDS	Std Pkg
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-G 125	L-158E	1
Liquid	20 L	5.2 gal	53-G 127	L-158E	1
Liquid	208 L	55 gal	53-G 128	L-158E	1
Liquid	1000 L	264 gal	53-G 129	L-158E	1

Colour: Clear

CB 100 and CB 100 ALU are now available in a new dip-ready 3.78L (1 US Gal) format! Perfect trial size!



VIDEO



www.walter.com

Advantages

- ▷ Ready to use formulation
- ▷ Works well at room temperature
- ▷ Non-corrosive
- ▷ Biodegradable
- ▷ 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

NO MORE TOXIC SOLVENTS

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*

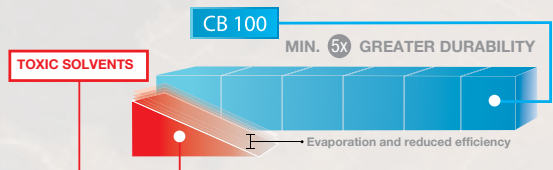


Nature Boost

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.

Durability comparison



UNO™ LINE OF CLEANERS AND DEGREASERS

Bio-Circle's UNO family of cleaning and degreasing products are ideal for various applications 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

- ▷ Contains corrosion inhibitors to prevent flash rusting
- ▷ VOC-free, solvent-free, non-flammable, phosphate-free, biodegradable
- ▷ Excellent substitute for solvent-based cleaners
- ▷ 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 the strongest cleaner in the family. Ideal for manual spraying applications.

NSF category A1, registration #142608



Description	Size		Order No.	(M)SDS	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 immersion applications or processes where foam would interfere. *NSF category A1, registration #142609*



Description	Size		Order No.	(M)SDS	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.	(M)SDS	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.	(M)SDS	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, spray cabinets and ultrasonic tanks

An excellent substitute to solvent-based cleaners!

Save on energy and costs with 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

Features

- ▷ Longer lasting
- ▷ Requires lower temperatures than competing products
- ▷ Low residue
- ▷ ALUSTAR products are safe on sensitive materials
- ▷ Highly concentrated – can be diluted up to 1:200

Benefits

- ▷ High performance
- ▷ Capable of meeting very stringent cleaning specifications
- ▷ Shorter cleaning time
- ▷ Cost savings



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.	(M)SDS	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™

Low alkalinity aluminum cleaner

Clean contaminants such as light oil and grease from your aluminum, copper or sensitive materials using the newest member of the ALUSTAR product range.



Description	Size		Order No.	(M)SDS	Std Pkg
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 697	L-157E	1
Liquid	208 L	55 gal	53-G 698	L-157E	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.	(M)SDS	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 operations cleaning applications. NSF category A8, registration #145453



Description	Size		Order No.	(M)SDS	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





CUSTOM SOLUTIONS

1000L

264 gal

Bio-Circle's state-of-the-art manufacturing facility can produce the ideal solution for your specific needs. We produce in bulk quantities, from 208 L / 55 gal. barrels to 1000 L / 264 gal. totes. The ability to satisfy specific, high-volume surface treatment and cleaning needs, makes Bio-Circle the clear choice for all manufacturing process applications.

For all cleaning requirements and any production process application, our team of experts will provide you with the perfect, custom solution – helping to reduce toxicity and maximize your overall productivity.

Contact your Bio-Circle representative for more information.

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.	(M)SDS
	Metric	US Gal		
Sprayer	950 ml	32.1 oz	53-G 001	L-56E
Liquid	20 L	5.2 gal	53-G 927	L-56E
Liquid	208 L	55 gal	53-G 928	L-56E

Description	Size		Order No.	(M)SDS
	Metric	US Gal		
Liquid	950 ml	32.1 oz	53-G 002	L-57E
Liquid	20 L	5.2 gal	53-G 937	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	Order No.	(M)SDS
Titration kit	53-L 160	L-145E and L-144E

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

- ▷ Save time & money by removing rust and tarnish with chemicals instead of manpower!

Features

- ▷ Concentrated formula – can be diluted up to 1:40 with water
- ▷ Gel formulation allows the product to cling to inclined surfaces
- ▷ VOC-free, solvent-free, non-flammable, biodegradable surfactants
- ▷ Safe for use on aluminum, chrome and other non-ferrous metals
- ▷ Removes of rust, oxidation, mineral deposits and light grease



Description	Size		Order No.	(M)SDS	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	208 L	55 gal	53-G 308	L-59E	1

Colour: Yellow

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

E-NOX SHINE™

Stainless steel surface cleaner and protector

E-NOX SHINE is a surface cleaner for removing light contaminants such as dust, light oils and fingerprints prior to shipping your work to a customer. It also creates a thin, invisible protective film to help ensure the quality of your work until it reaches its final. *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

Features

- ▷ Ready-to-use
- ▷ Silicone-free
- ▷ For cleaning food processing and pharmaceutical equipment
- ▷ VOC-free, solvent-free, non-flammable, phosphate-free, biodegradable



Description	Size		Order No.	(M)SDS	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.	(M)SDS	Std Pkg
	Metric	US Gal			
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 208 L drum / 55 gal.	53-L 209



Description	Size		Order No.	(M)SDS	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

- ▷ Saves money & time by allowing you to remove rust faster than by hand
- ▷ Save money by salvaging rusted parts or equipment

Features

- ▷ 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
- ▷ 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. *NSF category A3, registration #141944*

Benefits

- ▷ Saves money & time by allowing you to remove rust faster than by hand
- ▷ Save money by salvaging rusted parts or equipment
- ▷ 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
- ▷ Does not contain nitric, hydrofluoric or hydrochloric acid
- ▷ Concentrated formula – can be diluted up to 1:40 with water

PAINT, INK, GLUE AND ADHESIVE CLEANING

CB 100™

Ultra powerful natural cleaner and degreaser



Nature Boost

CB 100 is the next generation of cleaning technology. 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 and stainless steel. **NSF category C1, registration #148555**



Description	Size		Order No.	(M)SDS	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™

Ultra powerful natural cleaner and degreaser for aluminum and non-ferrous alloys



Nature Boost

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.	(M)SDS	Std Pkg
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-G 125	L-158E	1
Liquid	20 L	5.2 gal	53-G 127	L-158E	1
Liquid	208 L	55 gal	53-G 128	L-158E	1
Liquid	1000 L	264 gal	53-G 129	L-158E	1

Colour: Clear

CB 100 and CB 100 ALU are now available in a new dip-ready 3.78L (1 US gal.) format, perfect for trial size!



VIDEO



www.walter.com

Advantages

- ▷ Ready-to-use formulation
- ▷ Works well at room temperature
- ▷ Non-corrosive
- ▷ Biodegradable
- ▷ 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

- ▷ Replacement for toxic solvents
- ▷ Safe on ferrous, non-ferrous alloys and most plastics
- ▷ Non-corrosive, biodegradable
- ▷ Compatible with Bio-Circle L
- ▷ VOC-reduced

Benefits

- ▷ Creates a safer, healthier work environment
- ▷ One-step process for removing some of the toughest industrial contaminants
- ▷ Immersion baths (CleanBox)
- ▷ Any and all manual cleaning operations



Benefits

- ▷ Very effective and fast acting
- ▷ Safe on all metals
- ▷ Biodegradable

Features

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



GS 200™

Natural high strength solvent

Made from natural bio-renewable extracts, GS 200 is a powerful VOC-reduced 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.	(M)SDS	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. For the removal of adhesives, glues, sealants, rubber residues, tar, paint, ink, pen marks, grease, lubricants or oils.

Description	Size		Order No.	(M)SDS	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

- ▷ Replace multiple products with one cleaner
- ▷ Creates a safer, healthier work environment by replacing flammable lubricants and cleaners
- ▷ High flashpoint (130 °C) (266 °F)
- ▷ Silicone and Teflon-free
- ▷ 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



Description	Size		Order No.	(M)SDS	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



Air Force OMNI™

NEW

Cleaner/Lubricant/Protector in a refillable aerosol can

Reduce your costs by eliminating the need to dispose of empty aerosol cans. Joining the Air Force AF-PL™, OMNI™ is now offered in refillable aerosol can by using compressed air available at your worksite.

Start-up packages

Air Force OMNI 20 L / 5.3 gal.

Order no. 53-M 012AFOBB

The start-up package includes:

- ▷ Use of Air Force OMNI station*
- ▷ 1 x 53-X 007 OMNI 20 L / 5.3 gal
- ▷ 1 x 53-M 058 pail adaptor
- ▷ 6 x 53-M 132 refillable bottles
- ▷ 6 x 53-M 054 variable spray valves



Air Force OMNI 208 L / 55 gal.

Order no. 53-M 012AFOD

The start-up package includes:

- ▷ Use of Air Force OMNI station*
- ▷ 1 x 53-X 008 OMNI 208 L / 55 gal
- ▷ 1 x 53-M 038 drum adaptor
- ▷ 1 x 53-M 025 safety valve
- ▷ 6 x 53-M 132 refillable bottles
- ▷ 6 x 53-M 054 variable spray valves



* 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.

OMNI™

Refillable sprayer

Durable and light weight aluminum OMNI sprayer comes with an OMNI specific label to clearly identify the contents and ensure full workplace compliance.

Fill capacity: 400 ml / 13.5 oz

Operating pressure: 90 - 125 psi

Order no.: 53-M 132 (sold in package of 2)

See page 55 for more accessories.





PRE-PRIMING

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. FT 200 evaporates once it is wiped off the surface, allowing you to use up to seven times less liquid cleaner compared to fast-evaporating traditional surface preparation solvents such as acetone. *NSF category A1, registration #142612*



Benefits

- ▶ Use up to seven times less liquid for cleaning
- ▶ 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.	(M)SDS	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 (10 per pack)	57-M 001



MRO

INDUSTRIAL STRENGTH
PRODUCTS FOR
MAXIMUM RESULTS



Cleaner and degreaser

Safe on plastics

- Effectively cuts through and removes grease, oil and dirt
- Safe on all types of rubber gaskets, ABS, PVC, 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, 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



REFILLABLE CLEANER/ DEGREASER SYSTEM

Air Force AF-PL™

Industrial strength cleaner and degreaser

AF-PL is a system with a base unit that automatically dispenses AF-PL liquid cleaner and compressed air into refillable spray cans. Save money by buying your cleaner in bulk and reduce costs associated with the disposal of aerosol cans, all while reducing your environmental impact.

Features

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

Benefits

- ▷ Save money by buying in bulk
- ▷ Eliminate your aerosol disposal costs
- ▷ Reduce your environmental impact
- ▷ Increase sustainability



Description	Size		Order No.	(M)SDS	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

**Quickly dissolves and removes
grease, oil & grime
cost-effective replacement for
brake cleaner**

**Air Force AF-PL 20 L / 5.3 gal.
Start-up package**

Order no. 53-M 012AFPLP

The start-up package includes:

- Use of Air Force PL station*
- 1 x 53-C 557 AF-PL 20 L / 5.3 gal pail
- 1 x 53-M 041 pail adaptor
- 6 x 53-M 101 refillable bottle
- 6 x 53-M 054 variable spray valve



**Air Force AF-PL 200 L / 52.8 gal.
Start-up package**

Order no. 53-M 012AFPLD

The start-up package includes:

- Use of Air Force PL station*
- 1 x 53-C 558 AF-PL 200 L / 52.8 gal drum
- 1 x 53-M 038 drum adaptor
- 1 x 53-M 025 safety valve
- 6 x 53-M 101 refillable bottle
- 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 and OSHA compliance.

Fill capacity: 400 ml / 13.5 oz
Operating pressure: 90 - 125 psi

Order no. 53-M 101 (sold in package of 2)

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
Pail adaptor	53-M 041
Drum adaptor	53-M 038
Safety valve	53-M 025



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

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.	(M)SDS	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 / 5.3 gal pail	53-L 207
Spout for 200 L / 52.8 gal drum	53-L 208
Replacement trigger sprayer bottle, 500 ml / 16.9 oz	53-L 311



Description	Size		Order No.	(M)SDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-C 552	L-65E	12
Liquid	20 L	5.2 gal	53-C 557	L-65E	1
Liquid	200 L	52.8 gal	53-C 558	L-65E	1

HANG-ON™ AND SLAP-SHOT™ A POWERFUL DUO!

*When you need a LONG-LASTING
ADHESIVE LUBRICANT that will
RESIST THE ELEMENTS...*



@

*... and to remove HANG-ON
or other stubborn grease
and grime, count on
SLAP SHOT to BLAST IT
AWAY QUICKLY!*



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.	(M)SDS	Std Pkg
	Metric	US Gal			
Aerosol	380 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.	(M)SDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 652	L-154	12

INDUSTRIAL LUBRICANTS



Description	Size		Order No.	(M)SDS	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 clean, lightweight lubrication and protection. Ideal for preventing friction and wear in sliding parts and lightly loaded equipment. It is an ideal lubricant for machinery kept in areas that commonly become dusty or are difficult to keep clean.



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



Description	Size		Order No.	(M)SDS	Std Pkg
	Metric	US Gal			
Aerosol	400 ml	13.5 oz	53-D 102	L-05E	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.

Features

- ▷ 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)

Benefits

- ▷ Reduces energy costs and extends machine life
- ▷ Excellent lubrication even under tremendous load in harsh environments

Applications

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



CHAIN GANG™

High load chain lubricant

This high performance synthetic lubricant lasts longer than traditional lubricants, requiring fewer applications. It effectively penetrates fine pins and bushings to seal out dust, dirt, water and other contaminants, providing excellent protection and enhancing the life of any machinery that uses chains or wire cables.

Features

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

Benefits

- ▷ Reduce costly downtime due to seized chains, pin breakage and premature wear
- ▷ Long product life, requires fewer applications
- ▷ Stays cleaner and lasts longer than hot grease dips

Applications

- ▷ All types of chain drives and O-ring chains
- ▷ Machinery (especially forklifts)
- ▷ Wire cables





Description	Size		Order no.	(M)SDS	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 / 16.9 oz	53-L 331
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Description	Size		Order no.	(M)SDS	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 / 16.9 oz	53-L 332
--	----------



Description	Size		Order no.	(M)SDS	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

HANG-ON™

Adhesive lubricant

This long-lasting, biodegradable lubricant provides excellent lubrication without dripping or staining vertical surfaces. It resists exposure to the elements and will continue to provide superior lubrication when used outdoors or in harsh environments.

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

Its adhesive properties make it the product of choice for mechanisms with moving parts that require extra lubricant adhesion:

- ▷ Forklift truck chains, locking pins, snowplows, hinges, etc.
- ▷ Differentials in coupling units
- ▷ Conveyor switches and points

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

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 fluid

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.	(M)SDS	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™

Water soluble cutting fluid

Specially designed for metal removing operations on all types of ferrous and non-ferrous metals. Contains extreme pressure additives (EP) with no chlorine. Will not gum up slides and guides, 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

COOLCUT S-50™

Long life, high stability soluble cutting fluid

Premium cutting results can be achieved even in severe machining processes and high-pressure conditions. Additives provide extra lubricity in tougher applications such as hard-to-machine materials like high tensile steel and stainless steel, titanium and aluminum, or in higher-pressure machining processes (up to 80 bars of pressure).

- ▷ Dilutes up to 1:20



Description	Size		Order No.	(M)SDS	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 / 33.8 oz	53-C 011
Spout for 5 L pail / 1.3 gal	53-L 113
Spout for 20 L / 5.2 gal pail	53-L 207
Faucet for 208 L / 55 gal drum, 2"	53-L 209
Spout for 208 L / 55 gal drum, 3/4"	53-L 210

NEW

Description	Size		Order No.	(M)SDS	Std Pkg
	Metric	US Gal			
Liquid	5 L	1.3 gal	53-C 026	L-109E	1
Liquid	20 L	5.2 gal	53-C 027	L-109E	1
Liquid	208 L	55 gal	53-C 028	L-109E	1



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.	(M)SDS	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.	(M)SDS	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
- ▷ 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.	(M)SDS	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
Accessories					Order no.
Spout for 5 L / 1.3 gal pail					53-L 113
Spout for 20 L / 5.3 gal 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.	(M)SDS	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
Accessories					Order No.
Spout for 5 L / 1.3 gal pail					53-L 113
Spout for 20 L / 5.3 gal 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.

NSF category H2, registration #147193

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



Description	Size		Order No.	(M)SDS	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.

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.	(M)SDS	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, 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 specification

Applications

For touch-up and repair of:

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



Description	Size		Order No.	(M)SDS	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 1/4" high
 - ▷ 1/4" holes
- Order no. 55-B 004**



Angled flow-through brush

Order no. 55-B 007



Sink lid

- ▷ For MAXI:
- Order no. 55-B 032**



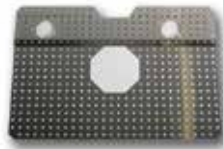
Replacement flow-through brush

Order no. 55-B 005



Stainless steel sink insert

- ▷ For MAXI:
- Order no. 55-B 031**
- ▷ For Compact S:
- Order no. 55-B 045**



Trolley

- ▷ For MAXI:
- Order no. 55-B 062**



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



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



Filter housing spanner

- ▷ For MAXI:
- Order no. 55-B 035**



Small industrial parts washing basket

Order no. 55-B 087



Bio-Circle COMPACT S cart
Order no. 55-B 089

Bio-Circle COMPACT S filter bowl

Order no. 55-B 088



Bio-Circle scraper

Order no. 55-B 063



Bio-Circle parts drying gun

Order no. 55-B 085



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.

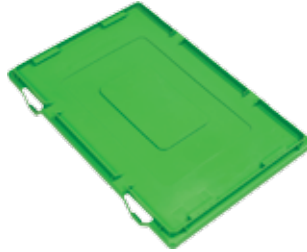
- ▷ Ideal for heavy and oversized parts
- ▷ Max. weight : 1000Lbs
- ▷ Overall dimensions (L x W x H): 151.9 cm x 104.6 cm x 115.6 cm (59.8" x 41.2" x 45.5")
- ▷ Max tank capacity 120 L (31.7 gal)

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



REFILLABLE TRIGGER SPRAYERS

Practical and sturdy, all bottles are clearly identified with product specific labels showing product features, hazard 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.



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

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
CB 100	500 ml	16.9 oz	53-L 342	1
CB 100 ALU	500 ml	16.9 oz	53-L 343	1

Description	Size		Order No.	Std Pkg
	Metric	US Gal		
For SC 400, GS 200, CB 100, AF-PL, FT 200				
OMNI	900 ml	30 oz	53-L 120	1
CB-100 ALU	500 ml	16.9 oz	53-L 343	1
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 / 1.3 gal plastic pail	53-L 113
Spout for 20 L / 5.3 gal square plastic pail	53-L 207
Spout for 20 L / 5.3 gal round metal pail	53-L 211 (plastic spout) and 53-L 208 (metal spout), 3/4" NPT
Spout for 208 L / 55 gal plastic drum	53-L 209, 2" NPT and 53-L 210, 3/4" NPT
Spout for 200 L / 55 gal 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 / 1.3 gal plastic pail

53-L 207*



20 L / 5.3 gal square plastic pail

53-L 211*



20 L / 5.3 gal round metal pail

53-L 209



2" NPT

208 L / 55 gal plastic drum

53-L 210*



3/4" NPT

53-L 208*



3/4" NPT

200 L / 55 gal 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.

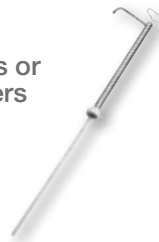
Order no. 53-L 115



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



NUMERICAL LISTING

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53A103	TAPCUT/ 350 ML/ 11.8 OZ.	52	53D897	BOLT-OUT LIQUID/ 20 L / 5.2 GAL.	49
53A106	TAPCUT/ 5 L / 1.3 GAL.	52	53E102	OPEN GEAR SPRAY/400 ML/ 11.5 OZ.	48
53A107	TAPCUT/ 20 L / 5.2 GAL.	52	53G001	CORROSION INHIBITOR/ 950 ML / 31.1 OZ.	33
53B002	COOLCUT SPRAY/ 400 ML/ 11.5 OZ.	50	53G002	DEFOAMER ADDITIVE/ 950 ML / 31.1 OZ.	33
53B003	COOLCUT LIQUID/ 350 ML/ 11.8 OZ.	50	53G016	UNO S F/ 5 L / 1.3 GAL.	28
53B004	COOLCUT SPRAYER/ 500 ML/ 16.9 OZ.	50	53G017	UNO S F/ 20 L / 5.2 GAL.	28
53B006	COOLCUT LIQUID/ 5 L / 1.3 GAL.	50	53G018	UNO S F/ 208 L / 55 GAL.	28
53B007	COOLCUT LIQUID/ 20 L / 5.2 GAL.	50	53G023	UNO S F/ 500 ML/ 16.9 OZ.	28
53B008	COOLCUT LIQUID/ 208 L / 55 GAL.	50	53G033	UNO S/ 500 ML/ 16.9 OZ.	28
53B013	COOLCUT LUB STICK/ 300 G / 10.5 OZ.	50	53G036	UNO S/ 5 L / 1.3 GAL.	28
53B023	COOLCUT GEL/ 200 G / 7 OZ.	50	53G037	UNO S/ 20 L / 5.2 GAL.	28
53B202	STAINLESSCUT SPRAY/ 312 G / 11 OZ.	51	53G038	UNO S/ 208 L / 55 GAL.	28
53B203	STAINLESSCUT LIQUID/ 350 ML/ 11.8 OZ.	51	53G053	UNO S V/ 500 ML/ 16.9 OZ.	29
53B206	STAINLESSCUT LIQUID/ 5 L / 1.3 GAL.	51	53G056	UNO S V/ 5 L / 1.3 GAL.	29
53B303	ALUCUT LUB STICK/ 300 G / 10.5 OZ.	51	53G057	UNO S V/ 20 L / 5.2 GAL.	29
53C006	COOLCUT S-30/ 5 L / 1.3 GAL.	50	53G058	UNO S V/ 208 L / 55 GAL.	29
53C007	COOLCUT S-30/ 20 L / 5.2 GAL.	50	53G067	STAR 200/ 20 L / 5.2 GAL.	30
53C008	COOLCUT S-30/ 208 L / 55 GAL.	50	53G068	STAR 200/ 208 L / 55 GAL.	30
53C011	SB-30 SYSTEM BOOSTER	50	53G097	UNO S PF/ 20 L / 5.2 GAL.	29
53C026	COOLCUT S-50/ 5 L / 1.3 GAL.	50	53G098	UNO S PF/ 208 L / 55 GAL.	29
53C027	COOLCUT S-50/ 20 L / 5.2 GAL.	50	53G125	CB 100 ALU/ 3.78 L / 1 GAL.	26, 36
53C028	COOLCUT S-50/ 208 L / 55 GAL.	50	53G127	CB 100 ALU/ 20 L / 5.2 GAL.	26, 36
53C056	ICECUT COOLANT-LUB/ 5 L / 1.3 GAL.	52	53G128	CB 100 ALU/ 208 L / 55 GAL.	26, 36
53C057	ICECUT COOLANT-LUB/ 20 L / 5.2 GAL.	52	53G129	CB 100 ALU/ / 1000L/ 264 GAL.	26, 36
53C502	SLAP-SHOT AEROSOL/ 500 ML/ 16.9 OZ.	44	53G165	CB 100 / 3.78 L / 1 GAL.	26, 36
53C503	SLAP-SHOT SPRAYER/ 500 ML/ 16.9 OZ.	44	53G167	CB 100 / 20 L / 5.2 GAL.	26, 36
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53C552	SLAP SHOT PL/ 400 ML/ 11.5 OZ.	44	53G178	FT 200/ 208 L / 55 GAL.	40
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53D502	DRY PRO AEROSOL/ 400 ML/ 11.5 OZ.	47	53G257	POWER CLEANER 100/ 20 L / 5.2 GAL.	35
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53D812	HANG-ON SPRAY/ 400 ML/ 11.5 OZ.	49	53G307	E-NOX CLEAN/ 20 L / 5.2 GAL.	34
53D813	HANG-ON SPRAYER/ 500 ML/ 16.9 OZ.	49	53G308	E-NOX CLEAN/ 208 L / 55 GAL.	34
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We would like to thank all of our end-users who allowed us to perform photo shoots at their locations

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