# Automotive Cleaning & Hygiene Solutions





Clean, Safe, Healthy Facilities - Lowest Total Cost 🥔



# **DEFCON® - 2D**

Super-Concentrated, Closed Loop Cleaning & Degreasing System

011100

Defcon-2D

#### Formulated with SM-1<sup>®</sup> Technology

A proprietary surfactant technology developed by Hillyard results in a synergistic blend of three surfactants that remove more soil in less time than traditional degreasers.



PUSH

BOTTLE

FILL

ON

FORCE



\*One 2.5 gallon container. Based on consistent water pressure, bottle fill, light orange dilution tips, 1:400 dilution rate.





#### Spray & Wipe Bottle Fill - Low Flow

Dilution	Light	Medium	Heavy
Cleaning Level	General Purpose Spray and Wipe	Car Detailing Oily Residue	Parts and Motors Heavy Grease & Grime
Dilution Ratio	1:400	1:242	1:162
Yield*	1,000 Gallons	608 Gallons	408 Gallons
Tip Color	Light Orange	Olive Green	Pink

\*Based on 100% usage on low flow from one 2.5 gallon container.



#### Bucket & Scrubber Fill - High Flow

Dilution	Light	Medium	Heavy
Cleaning Level	Everyday Floor cleaning	Greasy, Oily Floor Cleaning	Heavy Grease, Oil Restorative Cleaning
Dilution Rate	1:312	1:213	1:135
Yield*	783 Gallons	535 Gallons	340 Gallons
Tip Color	Green	Tan	Gray

\*Based on 100% usage on high flow from one 2.5 gallon container.



#### **Dilution Control**

Interchangeable tips in the dispenser deliver accurate, cost-effective ready-to-use cleaning solution.



#### Sealed System

Container is sealed for safety. Dispensing cap mates with bottle insert to draw chemical from container.

#### **Dual Flow**

Dual flow rates allow for fast and accurate filling. Fill buckets at up to 9 gallons per minute and bottles at 1 gallon per minute.

# Eliminate the Drum!



#### **Defcon-2D Dispensing Kit**

- I-Force Dispenser
- Special metering tips & cap
- Rack for container & bottles
- Low flow: 1 GPM
- High flow: 9 GPM
- Item No: HIL99724



#### **Defcon-2D Refills**

- 2 2.5 Gallon containers per case
- Item No: HIL0045447



# Safety Sustainability Cost-Effective

# Specialty Cleaners & Degreasers

**GS-200**, Environmentally Preferred – Green Seal<sup>™</sup> Certified Degreaser

- Formulated to be non-toxic, phosphate-free, biodegradable and nonflammable.
- Minimizes the impact on the environment and improves worker safety.
- Contains no dye, fragrance or hazardous ingredients.

Dilution Rate:	1:64, 1:32, 1:21
Item	Pack
HIL0047806	4 - 1 Gallon Containers
HIL0047807	1 - 5 Gallon Bag-In-Box
HIL0047809	1 - 55 Gallon Drum
HIL0047811	1 - 275 Gallon Tote



#### Citrus-Scrub<sup>®</sup> 90



Citrus-Scrub 90 is equipped to tackle asphalt, industrial oil, tar, carbon, adhesives, rubber burn marks, and more. Use Citrus-Scrub 90 to safely remove asphalt and rubber marks from machinery, tools, engines, concrete floors, metal surfaces, and more. Citrus-Scrub 90 delivers industrial strength yet contains no bleach, ammonia, phosphates, harsh acids, or alkalies. USDA Biobase Certified - 94%.

ltem	Pack
HIL0048404	12 - 1 Quart Bottles
HIL0048406	6 - 1 Gallon Containers
HIL0048407	1 - 5 Gallon Pail
HIL0048409	1 - 55 Gallon Drum
HIL0048411	1 - 275 Gallon Tote



#### D.M.B. Descaler Metal Brightener

An extra-strength cleaner formulated to remove hard water deposits from metal and plastic surfaces. It works quickly, leaving surfaces bright and free of buildup. D. M. B.'s phosphoric acid formulation is effective for removing hard water deposits such as lime, calcium, magnesium, iron, and aluminum, from metal and plastic surfaces. It works on all hard surfaces, but should not be used on marble, terrazzo, resilient flooring, or galvanized surfaces. NSF Category A-3.

	1:128 - 1:2	ilution Rate:
Pack		em
4 - 1 Gallon Containers		IL0047406
1 - 55 Gallon Drum		IL0047409





#### L.F.D. Low Foaming Degreaser

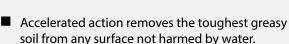
Formulated to take on the challenges of industrial cleaning. L.F.D. is perfect for use in autoscrubbers. As its name implies, it's a low foam degreaser that allows for enhanced productivity by keeping foam in the recovery tank to a minimum. More time cleaning, less time emptying tank!. L.F.D. can also be used in a mop bucket or trigger sprayer to spotclean areas where an autoscrubber is impractical.

Dilution Rate: 1:32 - 1:5

ltem	Pack
HIL0048106	4 - 1 Gallon Containers
HIL0048109	1 - 55 Gallon Drum
HIL0048111	1 - 275 Gallon Tote



#### SM-1<sup>®</sup> Degreaser A1,A4



- Safe to use. HMIS in-dilution rating of 0,0,0.
- Extremely low VOCs.
- Butyl-free and solvent-free.
- Cost-effective dilution rates.
- Dilution rates range from 1 ounce per gallon of water to 12 ounces per gallon of water for extreme degreasing.

#### **Testing Confirms SM-1 Removes** More Soil In Less Time!



Traditional Degreaser Dilution Rate 1:40 Scrub Test Cycles: 75

Panel B SM-1 Degreaser Dilution Rate 1:40 Scrub Test Cycles: 50 Panel C SM-1 Degreaser Dilution Rate 1:40

Scrub Test Cycles: 75

uspen

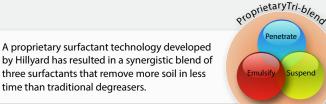
Surfactant Package

SM-1

Standardized laboratory tests on grease panels that simulate scrubbing action show SM-1 removes more soil in less time than competitive products formulated with traditional ingredients.

#### Dilution Rate: 1:128 - 1:10

Item	Pack
HIL0048706	4 - 1 Gallon Containers
HIL0048707	1 - 5 Gallon Bag-In-Box
HIL0048709	1 - 55 Gallon Drum
HIL0048711	1 - 275 Gallon Tote
HIL0048715	1 - 15 Gallon Drum



GR-1000 - Graffiti Remover

GR-1000 Graffiti Remover is designed to remove paint, crayon, marker, pencil, pen, lipstick, paint pens, marking paint and most any form of graffiti from large surfaces such as bridge abutments, portable toilets, street signs, walls, and sidewalks.

Dilution Rate: RTU - 1:10

ltem	Pack
HIL0102404	12 - 1 Quart Bottles
HIL0046506	4 - 1 Gallon Containers



#### **O.S.R. Oil Spot Remover**

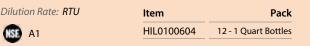
Oil Spot Remover is designed to absorb and lift stains from concrete without scrubbing. Simply pour on spot, allow the product to dry and absorb the spot, then brush away. Can be used indoors or outdoors on concrete surfaces. Commonly used on concrete driveways, garages, and walkways.

Dilution Rate: RTU

ltem	Pack
HIL0049122	6 - 1/2 Gallon Containers

#### **Quick & Clean® KA® Industrial Degreaser**

Works fast to emulsify and remove the toughest dirt, grease, oil, tar, and grime. It is the perfect choice for cleaning and degreasing a variety of surfaces and items including air filters, conveyors, exhaust hoods, walls, metal equipment, and machine parts.









### Dispensing Systems That Control Cost

#### **High-Low Dispensing Center**

Provides consistent, precise dilutions that maximize product performance, eliminates waste, and enhances worker safety.



- Wall mountable, automatically mixes
  cleaner concentrates with water to dispense at the desired dilution rate.
- Fill buckets and large equipment with the highflow lever that dispenses mixed product at a fast 9 gallons per minute. Fill spray bottles with the low-flow button that dispenses mixed product at one gallon per minute.

#### High-Discharge Dispensing Center

- Provides consistent, precise dilutions that maximize product performance, eliminates waste, and enhances worker safety.
- Mounts easily to drums and totes. Automatically mixes cleaner concentrates with water to dispense at the desired dilution rate.
- High flow, up to 16 GPM.



## KA<sup>®</sup> Industrial Degreaser



The perfect choice for cleaning and degreasing a variety of surfaces and items including air filters, concrete flooring, conveyors, exhaust hoods, walls, metal equipment, and machine parts.

Dilution Rate:	1:128 -	1:1

Item	Pack
HIL0013706	4 - 1 Gallon Containers
HIL0013707	1 - 5 Gallon Bag-In-Box
HIL0013709	1 - 55 Gallon Drum
HIL0013711	1 - 275 Gallon Tote
HIL0013728	1 - 30 Gallon Drum



#### I.D. 200

A highly concentrated, multipurpose cleaner/degreaser formulated to remove a wide variety of dirt, grime, and grease. It is perfect for daily cleaning of light to medium-duty soils on concrete, paver brick, quarry tile, walls, machinery, and equipment. I.D. 200 can be used in autoscrubbers, mop buckets, spray bottles, and pressure washers.

#### Dilution Rate: 1:128 - 1:10

Pack
4 - 1 Gallon Containers
1 - 5 Gallon Pail
1 - 55 Gallon Drum
1 - 275 Gallon Tote
1 - 15 Gallon Drum
1 - 30 Gallon Drum



#### Defcon®-2R B-I-B Super Concentrate Refill 🛽 🚳 A1,A4

Defcon<sup>®</sup>-2R is the 5 gallon bag-in-box SUPER concentrate refill used to make Defcon 2 Concentrated Degreaser. Simply fill an empty Defcon 2 drum with 40 gallons of water, empty one 5-gallon Defcon-2R into the drum and top-off with 10 gallons of water. The result is 55 gallons of Defcon 2 Concentrate which is further diluted at a rate of 4 to 8 oz. per gallon of water to make ready-to-use degreaser. One 5-gallon bag-in-box of Defcon-2R makes up to 1,815 gallons of ready-to-use degreaser!

Dilution Rate: 1:10 makes concentrate 55 gallons of concentrate. Then, concentrate can be diluted 1:32 - 1:16

# ItemPackHIL00454071 - 5 Gallon Bag-In-BoxItem<

#### Defcon<sup>®</sup> 2 Starter Drum

Defcon 2 is designed to be the starter drum for Defcon®-2R. The 55 gallon drum is When your Defcon 2 drum runs out, simply mix a 5-gallon bag- inbox of Defcon-2R SUPER Concentrate with 50 gallons of water in the drum and you have a full drum of concentrated degreaser ready to be diluted.

#### Dilution Rate: 1:32 - 1:16



#### **Vehicle Wash**

**High Pressure & Hand Wash** 

## **CV-Pro**

A vehicle wash specifically formulated for use with high pressure cleaning equipment. CV-Pro removes most exhaust deposits, road film, and bug residue from painted vehicle surfaces, cleans aluminum siding, painted wood and metal surfaces. CV-Pro rinses residuefree and water will bead up for that "just waxed look." For use with hot or cold water, CV-Pro is heat stable to 180° Fahrenheit, and contains no solvents, free acids or phosphates.

#### Dilution Rate: 1:20 - 1:64

ltem	Pack
HIL0047907	1 - 5 Gallon Pail
HIL0047909	1 - 55 Gallon Drum
HIL0047911	1 - 275 Gallon Tote

#### HV-Pro

A vehicle wash specifically formulated for hand vehicle washing systems. HV-Pro removes most exhaust deposits, road film, and bug residue from painted vehicle surfaces, cleans aluminum siding, painted wood, and painted metal surfaces. HV-Pro rinses residue-free and water will bead up for that "just waxed look". For use with hot or cold water, HV-Pro is heat stable to 180° Fahrenheit, and contains no solvents, free acids or phosphates.

#### Dilution Rate: 1:20 - 1:128

ltem	Pack
HIL0045306	4 - 1 Gallon Containers
HIL0045309	1 - 55 Gallon Drum





FORCE

HIL0047907



#### Hand Defense®

**Professional Hand Hygiene** 

# Clean with High-Performance Hand Wash Formulas

# Hand Defense 2000 System



## LDN - Natural

- Solvent-free
- Natural walnut scrubbers
- No added dye or fragrance
- Item No: HIL0041501
- Pack: 4 2,000ml/case

#### **MDP - Citrus**

- Light solvent formula
- Natural pumice scrubbers
- Fresh citrus scent
- Item No: HIL0041301
- Pack: 4 2,000ml/case

#### **HD** - Citrus

- Pumice-free gel formula
- Excellent on inks and paint
- Fresh citrus scent
- Item No: HIL0041601
- Pack: 4 2,000ml/case

#### **HDP - Citrus**

- Natural pumice scrubbers
- Heavy grease, inks and paint
- Fresh citrus scent
- Item No: HIL0041701
- Pack: 4 2,000ml/case

#### **HDP - Cherry**

- Natural pumice scrubbers
- Heavy grease and adhesives
- Cherry scent
- Item No: HIL0041401
- Pack: 4 2,000ml/case

# 40 percent of industrial workers will suffer from occupational dermatitis

causing pain, illness, absenteeism, lost productivity and increased costs for employers.\*



# for healthy skin happy staff lower cost

# Bio-based Solvents Surfactants - Emollients A Smart Choice

Many heavy duty hand soap formulators use petroleum-based solvents, like mineral spirits, to help cut the grease and grime on dirty hands. While effective, there are natural-based alternatives.

Hand Defense products are formulated with natural, bio-based solvents, surfactants, and emollients.<sup>+</sup>

Hillyard formulations with lower concentrations of natural solvents are very efficient at breaking down grease and grime when compared to products with higher concentrations of mineral spirit-based solvents.

Natural solvents, surfactants and emollients - a smart choice for your hands and our environment!

† LDN-Nautral is solvent-free and contains natural bio-based emollients and surfactants . MDP-Citrus, HD-Citrus, HDP-Citrus contain natural bio-based solvents, emollients and surfactants. HDP-Cherry contains bio-based emollients and VOC exempt mineral-spirit solvent.

1 miles

Ter Mi

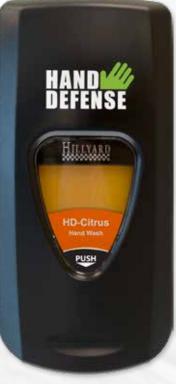
# **Dispensing Systems**

#### Hand Defense 2000

- 2,000 ml cartridge system
- Lockable cabinet, easy access
- Modular, interchangeable pump
- Output: 2.5 ml per press
- Screw mount, no adhesive pad
- Dim: 11.5"T x 5.25"W x 5.5"D
- Item No: HIL22288

#### Hand Defense 1250

- 1,250 ml cartridge system
- Lockable cabinet, easy access
- Output: 1.0 ml per press liquid
  0.4 ml per press foam
- Screw mount or adhesive pad
- Dim: 10.75"T x 6.25"W x 3.75"D
- Item No: HIL22298



H.D. 2000

H.D. 1250

Skin

PUSH



The Hillyard Hand Defense 1250 Dispenser accepts the full range of Hillyard Affinity® manual system 1,250ml cartridges to complete any skin care program!

Foam & Liquid 📮 Antibacterial 💻 Instant Hand Sanitizer 💻 Hair & Body Wash

# Protect and Restore Moisture with Skin Moisturizer

#### Hand Defense 1250 System

Apply Before and After Work 3-4 Times Daily!



Healthy Skin - Keep the outer layer of skin clean and moisturized so it can stay intact - keeping illness-causing irritants, dirt, and germs at bay.



Damaged Skin - Dry, cracked skin gives way to harmful, illness-causing irritants, dirt and germs while letting essential oils and moisture escape.

#### **Skin Mositurizer**

- Silicone-free
- Fragrance-free
- Contains allantoin to help moisturize
- Item No: HIL0041203
- Size: 1,250ml







- Coat bare concrete
- Coat over existing coatings\*
- Safe, no acid etching required
- No grinding or shot blasting
- Test, prep, prime and coat\*\*
- Low odor, low VOC

# Hillyard Concrete Defense®

EXTREME PERFORMANCE

Provides stain protection

UIII

- Eliminates concrete dusting
- Makes floor cleaning easier
- Improves gloss, increasing brightness and light levels
- Can completely transform concrete surfaces into showroom-caliber floors

#### **Coating Resistance**



\* Existing coating must be structurally sound without peeling and have good adhesion to the sub-surface.

\*\* As with all concrete coatings, because concrete composition and condition varies greatly, it is best practice to perform small test patches prior to priming and coating an entire floor. Test kits are available. Follow all label instructions.

Pictured: 1 coat HTG Gray, Blue Flakes, HT Clear



mer

**HT Concrete** 

BELLINER

HTG Concre

HILLYNN

HTB Cane

UBBB

# Concrete Defense®

**Concrete Floor Coating Systems** 

# Ultimate Protection Ultimate Appearance

Transform bare concrete or previously coated concrete floors into showroom-caliber floors that deliver the ultimate in protection and appearance. Apply a complete 4-level system as shown, or apply HT, HTG or HTB as a single coat over Hillyard Concrete Primer.

#### Heavy Traffic Concrete Seal

- Extreme performance
- 2 & 3 part, high-solids epoxy resin
- Resistant to hot tires
- Designed for indoor use, low odor
- Dries in 12 hours under normal conditions



Item	Description		Or	ne Gallon	Five Gallon	
Concrete Primer	Primer coat must be used under LT, MT, HT, and HTG Seals			L0050106	HIL0050107	
	Dries: clear. Approximate coverage: 1,000-1,500 sq. ft./gallon.			Ilon Containers	1 - 5 Gallon Pail	
HT Concrete Seal	Heavy traffic, 3-part, epoxy resin for extreme durability.			L0049306	HIL0049307	
Clear	Dries: clear. Approximate coverage: 500-600 sq. ft./gallon.			1 Gallon Kit	1 - 5 Gallon Kit	
HTG Concrete Seal	Heavy traffic, 2-part, epoxy resin for extreme durability.		L0050006	HIL0050007		
Gray	Dries: gray. Approximate coverage: 300-400 sq. ft./gallon		1 Gallon Kit	1 - 5 Gallon Kit		
HTB Concrete Seal	Heavy traffic, 2-part, epoxy resin for extreme durability.			HIL0050206		
Beige	Dries: gray. Approximate coverage: 300-400 sq. ft./gallon.			1 - 1 Gallon Kit		
Decorative Flakes	Polymer color flakes to enhance appearance and compliment decor. Best applied to HTG when wet and over-coated with HT. Pack: 5lbs./Case	HIL2201	5 - Beige	HIL22012 - Gray	HIL22011 - Blue	
Slip-ResistantA unique texture additive that, when added to the FINAL topcoat of Hillyard ConcreteAdditiveDefense Seals HT, or HTG(B), can reduce the potential for slipping. This product will not change the color of the floor coating. Use on stairs, indoor decks, or walkways, damp			HIL22000 1 - 18 oz. container			

Scan code for more informtion on Hillyard Concrete Defense!



Clean Concrete

Primer Coat

or inclined areas that tend to get slippery.

HTG or HTB Epoxy

Decorative Flakes HT Clear Epoxy

# Hillyard I-Force Degreaser & Vehicle Wash Formulas

Phosphate Free 🗧 VOC Compliant 🔳 Chlorinated Solvent Free

						· · · ·			
	Defcon <sup>®</sup> - 2D	Defcon <sup>®</sup> - 2R	SM-1 <sup>®</sup> Degreaser*	KA <sup>®</sup> Industrial Degreaser	I.D. 200	GS-200	L.F.D. Low Foaming Degreaser	CV - Pro	HV - Pro
Product Type	Super Concentrate	Super Concentrate	Concentrate	Concentrate	Concentrate	Concentrate	Concentrate	Vehicle Wash	Hand Vehicle Wash
Product Description	Sealed system. Attach one 2.5- gallon container to the Defcon - 2D dispensing system. Super concentrate is diluted in range of 1:400 - 1:135 to make ready to use degreaser.	Add one 5-gallon B.I.B to 50 gallons of water to make one 55-gallon drum of concen- trate. Further dilute concentrate in a range of 1:16-1:8.	Designed for todayis hard to remove soils. Formulated with Accelerated Action Technology to work faster. Heat stable to 180°F for use in heated high-pressure equipment.	For cleaning and degreasing a variety of surfaces and items in- cluding air filters, concrete flooring, conveyors, exhaust hoods, walls, metal equipment, and machine parts.	A multi-purpose cleaner/degreaser formulated to remove a wide va- riety of dirt, grime, and grease. Perfect for daily cleaning of light to medium-duty soils.	Green Seal™ Certified GS-200 is formulated to be non-toxic, bio- degradable, and nonflammable, and contains no dye, fragrance, or hazardous ingredients.	L.F.D. is perfect for use in auto- scrubbers. A low foam degreaser that allows for enhanced productivity by keeping foam in the recovery tank to a minimum.	Formulated for use with high pressure cleaning equipment. CV-Pro is heat stable to 180° Fahrenheit. Moderate foaming characterisitcs.	Formulated for hand vehicle washing systems. For use with hot or cold water, HV-Pro is heat stable to 180° Fahrenheit. Excellent foaming characteristics.
Certifications - Ratings	NSF A1, A4	NSF A1, A4	NSF A1, A4	NSF A1	n/a	Green Seal	n/a	n/a	n/a
Color & Appearance	Amber - Clear	Amber - Clear	Purple - Clear	Red - Clear	Green - Clear	Brown - Clear	Clear	Red - Clear	Green - Clear
Scent	Mild Solvent	Mild Solvent	Mild Solvent	Mild Solvent	Lemon	Clean	Wintergreen	Clean	Clean
Use in Auto Scrubbers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	n/a	n/a
Use with Pressure Washers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Spray & Wipe	Yes	Yes	Yes	Yes	Yes	Yes	Yes	n/a	n/a
Damp Mopped	Yes	Yes	Yes	Yes	Yes	Yes	Yes	n/a	n/a
In-Use Dilution Rates	1:400 - 1:135	1:32 - 1:16	1:32 - 1:16	1:64 - 1:20	1:128 - 1:10	1:64 - 1:21	1:32 - 1:5	1:64 - 1:20	1:128 - 1:20
pH (Concentrate)	12.00 - 13.50	12.00 - 13.50	12.50 - 13.50	10.50 - 11.50	12.50 - 13.50	10.50 - 11.50	11.00 - 12.00	11.50 - 12.50	8.00 - 9.50
Contains Butyl	No	No	No	Yes	No	No	Yes	No	No
Foaming Level	Moderate	Moderate	Moderate	Moderate	High	High	Very Low	Moderate	High
4 - 1 Gallon Containers	n/a	n/a	HIL0048706	HIL0013706	HIL0048306	HIL0047806	HIL0048106	n/a	HIL0045306
2 - 2.5 Gallon Containers	HIL0045447	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1 - 5 Gallon Bag-In-Box	n/a	HIL0045407	HIL0048707	HIL0013707	HIL0048307	HIL0047807	n/a	n/a	n/a
1 - 5 Gallon Pail	n/a	n/a	n/a	n/a	n/a	n/a	n/a	HIL0047907	n/a
1 - 15 Gallon Containers	n/a	n/a	HIL0048715	n/a	HIL0048315	n/a	n/a	n/a	n/a
1 - 30 Gallon Containers	n/a	n/a	HIL0048728	HIL0013728	HIL0048328	n/a	n/a	n/a	n/a
1 - 55 Gallon Drum	n/a	n/a	HIL0048709	HIL0013709	HIL0048309	HIL0047809	HIL0048109	HIL0047909	HIL0045309
1 - 275 Gallon Tote	n/a	n/a	HIL0048711	HIL0013711	HIL0048311	HIL0047811	n/a	HIL0047911	n/a

#### **Heavy Duty Wipers**

Ideal for manufacturing, automotive, building maintenance and janitorial

Description

Heavy Duty

Size

- Excellent shop towel replacement, cloth-like feel and low lint
- Durable and highly absorbent

Color

Blue

**Specifications** 

Item #

HIL21410



125/Box 4 Boxes/Cs



#### **Quick & Clean® Waterless Hand Cleaner**

Heavy-duty, pre-moistened towels formulated to loosen, dissolve, and absorb dirt, ink, oils, grease, tar, paint, adhesives, and more. Conditions and softens hands as it cleans.

ltem	Pack
HIL01061	6 - 72 Wipe Containers



#### Windo Clean®+

Windo Clean+ is for cleaning and polishing windows, mirrors and other glass surfaces. With an exclusive formulation using denatured alcohol and no ammonia, this product cleans thoroughly, dries quickly, requires no rinsing and leaves a pleasant, fresh scent.

ltem	Pack			
HIL0102555	12 - 19 oz. Cans			





PO Box 909 St. Joseph, MO 64502 www.hillyard.com

LIT-AUTO-1216