



Authorised Sole Distributor:



## Multigrade Products Ltd

*Plot 12, Agbala Itura Road,  
Opp. Geepee Industries,  
Igbala Industrial Area,  
Off Abeokuta Expressway,  
Sango Otta, 112001 Ogun State,  
Nigeria, West Africa*

**Tel:** 234(0)(803)306-4056,  
234(0)(803)805-6777,  
**Fax:** 234(0)(1)804-2333,  
**E-mail:** multi\_grade@yahoo.com,  
multigrade@hotmail.com,  
**Website:** www.multi-grade.net  
www.multi-grade.com



**FOOD PROCESSING  
MAINTENANCE SOLUTIONS**

TABLE OF CONTENTS



LUBRICANTS/PENETRANTS 6 - 7



GREASES 8 - 9



ELECTRONIC CLEANER 10



SPECIALTY 10



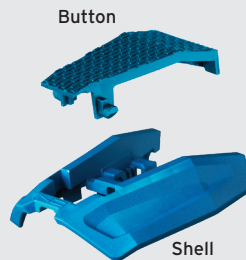
FOOD PROCESSING MAINTENANCE SOLUTIONS

Know compliance status at a glance with LPS® DETEX®! Designed specifically for food processing facilities, patented DETEX® metal and X-ray detectable plastic packaging reduces the risk of foreign matter contamination while supporting food safety and HACCP programs. The newly upgraded slip-resistant can features bright blue, lithographed labels that won't tear or smudge with NSF® ratings clearly marked across the top of the can - all visible from across the plant floor.

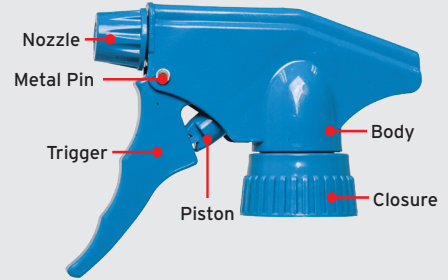
AEROSOL COMPONENTS, CONTAINER CAPS, TRIGGER SPRAYER, SCOURING PAD

DETEX® technology helps reduce the risk of foreign object contamination that can result in contaminated product, facility downtime, delayed customer deliveries, and compromised brand reputation. Utilizing a unique patented formula, DETEX® plastic components are both metal & X-ray detectable. Their bright blue color also helps provide added visibility within the plant.

AEROSOL COMPONENTS



TRIGGER SPRAYER



CONTAINER CAPS



SCOURING PAD\*



\*Metal detectable only

FEATURES

- Detectable: Plastic components are both metal & X-ray detectable and are capable of detection by most detection equipment
- Visible: Blue Color stands out from foods processed at facility
- GRAS Listed: All DETEX® plastic component ingredients are (Generally Recognized As Safe - FDA 21 C.F.R. Sections 177 and 178)
- Aerosol Can Compliance: With the Food Safety Net Services (FSNS).FDA 21 C.F.R.175.300, 1935/2004/EC
- Effective: Encapsulated abrasive particles uniformly coat pad fibers
- Durable: Scouring pad resin bonded nylon 6 - 6 fibers

BENEFITS

- Reduces the risk of foreign object contamination and expense
- Supports a facility's HACCP Food Safety Program
- Easily identifies items as a non-food object
- Helps visually identify foreign objects before end-of-line detection
- Meets FDA requirements as an acceptable material for use in food processing plants
- Aerosol can does not contain: Heavy metals, BADGE, BFDGE, NOGE, and Bisphenol-A (BPA)
- Scouring pad consistently cleans surfaces quickly and safely
- Scouring pad withstands harsh food processing environments and resists fraying

WHEN PREVENTION IS NOT ENOUGH  
DETECTION IS YOUR BEST OPTION



**METAL  
DETECTABLE**



**X-RAY  
DETECTABLE**

**SEE IT IN  
ACTION!**



**NSF® DEFINITIONS**

Category	Category Code	Intended Use	Definition
LUBRICANTS	<b>H1</b>	General - Incidental Contact	Products labeled H1 and K6 can be used in food processing areas where incidental food contact can be tolerated. A common misconception in the food industry is that an NSF® H1 or K6 products ensure food product safety and integrity, when in fact H1 and K6 products are only safe for incidental food contact. HACCP programs will need to establish whether contact is incidental.
SOLVENT CLEANERS	<b>K6</b>	Electronic Instrument Cleaner - Incidental Food Contact	
FOOD PROCESSING SUBSTANCES	<b>3H</b>	Release Agents	References release agents that can be used in contact with food within the limits set out in the relevant regulations, e.g. FDA 21 CFR 172:878 for white oils.

# WHO WOULD YOU TRUST WITH YOUR **FOOD?**



## REWARDS

### GREATLY REDUCED RISKS OF PRODUCT CONTAMINATION:

- Reduce downtime
- Extend time between preventative maintenance
- Preserve company reputation
- Quickly identify potential contamination and mitigate waste



## PREVENTION WITH DETECTION...

DETEX® technology helps reduce the risk of foreign object that contamination that can result in recalled product, facility downtime, delayed customer deliveries, and compromised brand reputation.  
U.S. PATENT NO. 8,980,982 B2 & U.S. PATENT NO. 9,557,311 B2



## COMPETITOR RISKS

### GREATER POTENTIAL FOR FOOD CONTAMINATION:

#### BEST CASE

- Wasted product/scrap
- Wasted time money and effort to identify root cause

#### WORST CASE

- Tarnished company reputation due to recall
- Lost revenues
- Possible litigation

# DESIGNED FOR SAFETY

## AEROSOL COMPONENTS & CONTAINER CAPS:

Metal & X-ray detectable plastic minimizes risk of undetected food contamination and product recalls

### ACTUATOR



### INTEGRATED STRAW ACTUATOR



### ACTUATOR (BUTTON):

Industrial sized spray button provides ease of use

### ACTUATOR (SHELL):

Ability to lock the spray nozzle to prevent unintended spray

### INTEGRATED DUAL APPLICATION FLIP STRAW

Does not detach. Two options for product delivery:



### STRAW DOWN POSITION

- broad stroke application



### STRAW UP POSITION

- precision application

### ACTUATOR



### CARTRIDGE CAP



### BOTTLE CAP



### PREPRINTED GREEN LABELING:

ensures maintenance employees use and store MRO chemicals in the proper locations

### PROMINENTLY DISPLAYED NSF® CATEGORY LABELING:

prevents use of non NSF® approved LPS® products in the food processing area

H1, 3H, K6 products approved for use during operation

### LITHOGRAPHED LABELS:

cannot tear and contaminate food

### CONTOURED, SLIP-RESISTANT CAN:

Contoured texture provides enhanced/firmer grip on the can during use



### 2 PIECE CAN:

Fewer areas for corrosion attack versus a 3 piece can



### BACTERIA NEST:

The rim around cans allows water to pool and becomes a breeding ground for bacteria

### PAPER LABELS:

Torn paper labels competitors' cans contaminate food and pass through processing undetected

Unlabeled containers violate the hazard communication standard and can result in fines from OSHA

### PLASTIC CONTAMINANTS:

Once broken, plastic packaging that contaminates food is nearly impossible to detect





**FOOD GRADE  
Silicone Lubricant**

- Anti-stick agent for chutes and slides keeps packages moving
- Dry film will not attract dust or dirt
- Safe on all metals, plastics, and rubber parts
- Colorless formula will not stain packaging material or equipment

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
01716	10 wt oz/284 g	Aerosol	12	H1	113815



**HEAVY DUTY  
Silicone Lubricant**

- Eliminates sticking, binding, and squeaking
- Safe on most surfaces, including rubber and plastics
- Odorless formula reduces potential transference to foods
- Colorless lubricant will not stain production equipment

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
51516	13 wt oz/369 g	Aerosol	12	H1	059820



**FOODLUBE®  
Synthetic Chain Spray**

- Fully synthetic formula extends chain life, protecting vital assets and lowering maintenance costs
- Long-lasting lubricant with exceptional load carrying properties protects rollers, links, pins, etc.
- Water displacing, strong-bonding film with excellent water washout resistance and corrosion protection
- Powerful foaming action penetrates internal components of chains, bushings, and pins

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
57616	11 wt oz/312 g	Aerosol	12	H1	147490



**FOODLUBE®  
Penetrating Oil**

- Penetrates rust, scale, grease, dirt, and grime to quickly release frozen parts, reducing downtime associated with equipment disassembly
- Fully synthetic formula displaces water to prevent corrosive attack
- Leaves a protective film to prevent corrosion short-term

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
57316	11 wt oz/312 g	Aerosol	12	H1	147493



**FOODLUBE®  
Sugar Dissolving Fluid**

- Effectively removes sugar-based soils to keep food and beverage production equipment fully operational
- Release agent eases future cleaning of sticky soils
- Provides short-term corrosion protection on exposed metal surfaces



Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
57716	15 wt oz/425 g	Aerosol	12	<b>H1</b>	147495
57728	28 fl oz/828 mL	Trigger	12		147492
57701	1 gal/3.78 L	Bottle	4		147492

**FOOD GRADE  
Machine Oil**

- Versatile lubricant eliminates sticking, binding, and squeaking
- Oily film penetrates to loosen frozen nuts and bolts
- Colorless formula will not stain product or equipment
- Safe on all metal surfaces



Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
01316	11 wt oz/312 g	Aerosol	12	<b>H1</b>	129000

**FOOD GRADE  
Moisture Displacing Spray**

- Multi-purpose, long-lasting formula penetrates, lubricates, displaces water, and protects against corrosion
- Non-toxic, food grade lubricant leaves a thin film to reduce wear on precision components
- Engineered to withstand low temperatures for applications such as coolers and freezers



Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
53016	11 wt oz/312 g	Aerosol	12	<b>H1</b>	166355

**FOOD GRADE  
Chain Lubricant**

- Oily film lubricates deep into chains, bushings, and pins to extend chain life, minimizing expensive downtime
- Water resistant formula won't sling-off, stays on chain surfaces
- Foaming action increases contact time for better penetration of internal chain components
- Provides up to 4 months indoor corrosion protection



Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
06016	12 wt oz/340 g	Aerosol	12	<b>H1</b>	132899

**TECHNICAL  
LUBRICANTS/PENETRANTS  
PROPERTIES**

CORROSION PROTECTION LONGEVITY (Months Indoors)	1	2	3	4
FOOD GRADE <b>Silicone Lubricant</b>	[Progress bar: 100%]			
HEAVY DUTY <b>Silicone Lubricant</b>	[Progress bar: 100%]			
FOODLUBE® <b>Synthetic Chain Spray</b>	Not Applicable			
FOODLUBE® <b>Penetrating Oil</b>	[Progress bar: 100%]			
FOODLUBE® <b>Sugar Dissolving Fluid</b>	[Progress bar: 100%]			
FOOD GRADE <b>Machine Oil</b>	[Progress bar: 100%]			
FOOD GRADE <b>Moisture Displacing Spray</b>	Not Applicable			
FOOD GRADE <b>Chain Lubricant</b>	[Progress bar: 100%]			

NFPA* FLAMMABILITY RATING	1	2	3	4
FOOD GRADE <b>Silicone Lubricant</b>	[Progress bar: 100%]			
HEAVY DUTY <b>Silicone Lubricant</b>	[Progress bar: 100%]			
FOODLUBE® <b>Synthetic Chain Spray</b>	[Progress bar: 100%]			
FOODLUBE® <b>Penetrating Oil</b>	[Progress bar: 100%]			
FOODLUBE® <b>Sugar Dissolving Fluid</b>	[Progress bar: 100%]			
FOOD GRADE <b>Machine Oil</b>	[Progress bar: 100%]			
FOOD GRADE <b>Moisture Displacing Spray</b>	[Progress bar: 100%]			
FOOD GRADE <b>Chain Lubricant</b>	[Progress bar: 100%]			

\*NATIONAL FIRE PROTECTION ASSOCIATION

TYPE OF LUBRICANT	NON-SILICONE-BASED	SILICONE-BASED	WATER-BASED	PETROLEUM	SYNTHETIC
FOOD GRADE <b>Silicone Lubricant</b>		■			
HEAVY DUTY <b>Silicone Lubricant</b>		■			
FOODLUBE® <b>Synthetic Chain Spray</b>					■
FOODLUBE® <b>Penetrating Oil</b>				■	
FOODLUBE® <b>Sugar Dissolving Fluid</b>			■		
FOOD GRADE <b>Machine Oil</b>				■	
FOOD GRADE <b>Moisture Displacing Spray</b>	■				
FOOD GRADE <b>Chain Lubricant</b>				■	

VOLATILE ORGANIC COMPOUNDS (VOC) COMPLIANCE	Ozone Transport Commission (OTC)	California Air Resources Board (CARB)
FOOD GRADE <b>Silicone Lubricant</b>	Not Regulated	
HEAVY DUTY <b>Silicone Lubricant</b>	■	■
FOODLUBE® <b>Synthetic Chain Spray</b>	■	■
FOODLUBE® <b>Penetrating Oil</b>	■	■
FOODLUBE® <b>Sugar Dissolving Fluid</b>	■	■
FOOD GRADE <b>Machine Oil</b>	■	■
FOOD GRADE <b>Moisture Displacing Spray</b>	■	■
FOOD GRADE <b>Chain Lubricant</b>	■	■

## GREASES

### FOOD GRADE

#### Extreme Temp Grease

- Premium, fully synthetic grease performs well in extreme temperature applications (-75°F - 510°F)
- Non-melting formula is suitable for extended high temperature exposures
- Dye-free grease will not stain product or equipment
- Fortified with PTFE for enhanced lubrication and corrosion resistance
- Resists water washout through multiple wash cycles

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
51014	13 wt oz/369 g	Cartridge	30	H1	166266
51055	55 gal/400 lbs	Drum	1		



### FOOD GRADE

#### Low-Temp Grease

- Multi-purpose, long lasting formula provides exceptional lubrication and corrosion protection for bearings, slides, and other moving metal parts
- Engineered to perform in low temperature range applications such as coolers and freezers
- Superior load and wear properties extend preventative maintenance cycles

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
54214	14.1 wt oz/400 g	Cartridge	30	H1	166259



### FOODLUBE®

#### Bearing Grease

- Versatile grease engineered for the lubrication of ball, roller, and other bearings
- NLGI #2 grease effectively lubricates bearing while providing excellent corrosion protection
- Withstands frequent washdowns, extending maintenance cycles and reducing downtime

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
70114	14.1 wt oz/400 g	Cartridge	30	H1	166103
70155	55 gal/400 lbs	Drum	1		



### FOOD GRADE

#### 3H Grease

- Extreme-pressure formulation lessens stress on gears and bearings, reducing accelerated wear in high load conditions
- Long lasting release agent/lubricant extends maintenance cycles, reducing downtime
- Does not contain mineral hydrocarbons, animal derivatives, nut oils, or genetically modified ingredients

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
54014	13 wt oz/370 g	Cartridge	30	3H H1	166424



### FOOD GRADE

#### 3H Spray Grease

- Engineered to lubricate and protect seals, grinder plates, mixers, and slicers where food contact cannot be avoided
- Extreme-pressure formulation lessens stress on gears and sliding mechanisms, reducing accelerated wear in high load conditions
- Long lasting release agent/lubricant extends maintenance cycles, reducing downtime
- Does not contain mineral hydrocarbons, animal derivatives, nut oils, or genetically modified ingredients

Part #	Net Contents	Container Type	Units/case	NSF® Rating	NSF® #
54016	9 wt oz/256 g	Aerosol	12	3H H1	166425





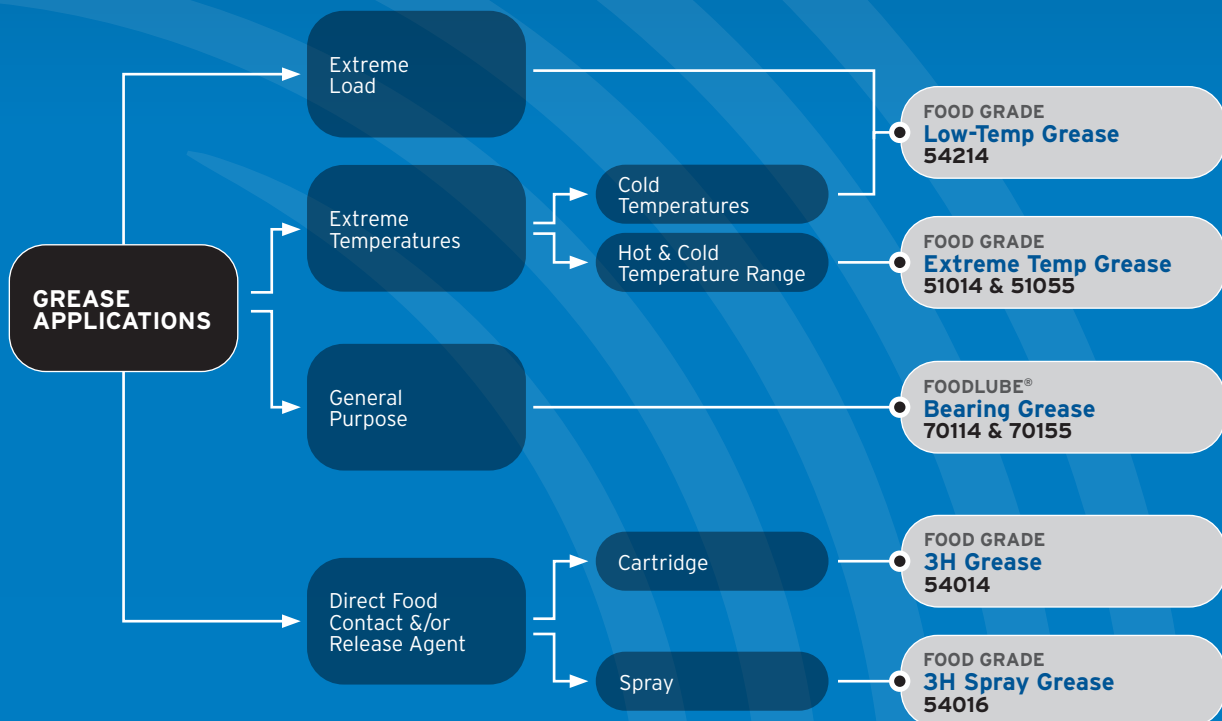


## TECHNICAL GREASE PROPERTIES

TEMPERATURE RANGE (°F)	-75°	-25°	0°	50°	100°	150°	200°	250°	300°	350°	400°	450°	500°	550°	
FOOD GRADE Extreme Temp Grease															-75°F to 510°F
FOOD GRADE Low-Temp Grease															-40°F to 395°F
FOODLUBE® Bearing Grease															0°F to 300°F
FOOD GRADE 3H Grease															14°F to 230°F
FOOD GRADE 3H Spray Grease															14°F to 230°F

4-BALL WELD LOAD (kg)	100	200	300	400	500	600	700	
FOOD GRADE Extreme Temp Grease								160 kg
FOOD GRADE Low-Temp Grease								620kg
FOODLUBE® Bearing Grease								250 kg
FOOD GRADE 3H Grease								355 kg
FOOD GRADE 3H Spray Grease								355 kg

## GREASE SELECTION GUIDE





## ELECTRONIC CLEANER

### FOOD GRADE

#### Electronic Cleaner

- Removes dirt, moisture, and oxides from electronic equipment
- Plastic safe formula can be used on a variety of surfaces
- Fast drying and residue-free for efficient maintenance cycles
- VOC compliant in all 50 states

Part #	Net Contents	Container Type	Units/Case	NSF® Rating	NSF® #
58116	11 wt oz/312 g	Aerosol	12	<b>K6</b>	154685



## SPECIALTY

### Belt Dressing

- Prevents belt slippage and squeaks on all belt types
- Withstands frequent washdowns, extending maintenance cycles and reducing downtime
- Contains no chlorinated solvents that deteriorate drive belts
- May be used indoors or in wet/outdoor conditions

Part #	Net Contents	Container Type	Units/Case	NSF® Rating	NSF® #
02216	10 wt oz/284 g	Aerosol	12	<b>H1</b>	134508



### Food Grade Anti-Seize

- Protects pipe threads, bolts, nuts, and other metal parts against seizure, heat-freeze, galling, rust, and corrosion
- Lowers friction and reduces wrench torque limiting wear to tools, and time needed to separate parts
- Performs well in extreme temperature applications: -65°F (-54°C) to 1800°F (982°C)
- Contains no metals; compatible for use on steel, aluminum, nickel, and more
- Non-staining and odorless formula will not transfer to food, equipment, or packaging material
- Resists water washout through multiple wash cycles

Part #	Net Contents	Container Type	Units/Case	NSF® Rating	NSF® #
06508	1/2 lb/227 g	Container	12	<b>H1</b>	166055
06510	1 lb/454 g	Container	12		



### Metal Detectable Scouring Pad

- Highly visible, metal detectable pad reduces the risk of expensive recalls due to foreign matter contamination
- Tough, non-scratching fibers are safe to use on any metal surface
- Durable, long-lasting scrub pad lasts through many cleanings

Part #	Units/Case	Container Type	Pad Size
59660	Case of 60 Pads	Case	5.9 x 8.9 in



Metal detectable only

### DETEX® Empty Trigger Bottle

- Metal and X-ray detectable packaging
- Adjustable spray stream to ensure proper application
- Durable, chemical resistant bottle
- Ergonomic, 3-finger trigger to reduce finger fatigue
- Reduces potential food product contamination and assists with HACCP requirements

Part #	Container Size	Container Type	Units/Case
57928	28 fl oz	Trigger	12



# SIMPLIFICATION



Posters and training resources to ensure proper use of LPS® products around the facility.

## COST SAVINGS



LPS® DETEX® high-performance products are engineered to lower costs by extending equipment life, reducing repair time, and lowering frequency of preventative maintenance.

## TRAINING



Our technically trained regional sales managers consult customers and offer product, safety, and application training.

## TECHNICAL SUPPORT



The LPS® DETEX® team of senior engineers and chemists are available to travel on-site for customer support.

## RISK MITIGATION



Manage risk and incorporate LPS® DETEX® food safe solutions into your HACCP plans.

# PRODUCT SELECTOR

		US Part #	Canada Part #	Container Type	NSF®#	NSF® CATEGORY CODE			Integrated Straw Actuator
						H1	K6	3H	
LUBRICANTS/ PENETRANTS	FOOD GRADE Silicone Lubricant	01716	C01716	Aerosol	113815	■			✓
	HEAVY DUTY Silicone Lubricant	51516	C51516	Aerosol	059820	■			✓
	FOODLUBE® Synthetic Chain Spray	57616		Aerosol	147490	■			✓
	FOODLUBE® Penetrating Oil	57316		Aerosol	147493	■			✓
	FOODLUBE® Sugar Dissolving Fluid	57716		Aerosol	147495	■			-
		57728	C57728	Trigger	147492	■			-
		57701	C57701	Bottle					
	FOOD GRADE Machine Oil	01316	C01316	Aerosol	129000	■			-
	FOOD GRADE Moisture Displacing Spray	53016		Aerosol	166355	■			-
	FOOD GRADE Chain Lubricant	06016	C06016	Aerosol	132899	■			-
GREASES	FOOD GRADE Extreme Temp Grease	51014	C51014	Cartridge	166266	■			N/A
		51055	C51055	Drum					
	FOOD GRADE Low-Temp Grease	54214		Cartridge	166259	■			
	FOODLUBE® Bearing Grease	70114	C70114	Cartridge	166103	■			
		70155		Drum					
	FOOD GRADE 3H Grease	54014		Cartridge	166424	■		■	
FOOD GRADE 3H Spray Grease	54016		Aerosol	166425	■		■	-	
ELECTRONIC CLEANER	FOOD GRADE Electronic Cleaner	58116	C58116	Aerosol	154685		■		✓
SPECIALTY	Belt Dressing	02216	C02216	Aerosol	134508	■			-
	Food Grade Anti-Seize	06508		Container	166055	■			N/A
		06510							
	Metal Detectable Scouring Pad*	59660	C59660	Scour Pad	N/A	N/A			
DETEX® Empty Trigger Bottle	57928	C57928	Trigger						

\*Metal detectable only

## AUTHORIZED SOLE DISTRIBUTOR:



### Multigrade Products Ltd

Plot 12, Agbala Itura Road,  
Opp. Geepee Industries,  
Igbala Industrial Area,  
Off Abeokuta Expressway,  
Sango Otta, 112001 Ogun State,  
Nigeria, West Africa

Tel: 234(0)(803)306-4056,  
234(0)(803)805-6777,  
Fax: 234(0)(1)804-2333,  
E-mail: multi\_grade@yahoo.com,  
multigrade@hotmail.com,  
Website: www.multi-grade.net  
www.multi-grade.com



CONTACT YOUR ITW PRO BRANDS REPRESENTATIVE TODAY!

800.241.8334 | <https://www.itwprobrands.com/brand/lps-detex>

©2023 ITW Pro Brands • LPS®, FoodLube®, and DETEX® are registered trademarks of Illinois Tool Works • All Rights Reserved • LI026 • 230315