



**METAL DETECTABLE
PLASTIC COMPONENTS**



METAL DETECTABLE PLASTIC COMPONENTS

(PATENT PENDING)

LPS® Laboratories has long been committed to improving safety in industries across the globe. As part of our dedication to food processing and manufacturing safety, LPS® has developed DETEX™.

DETEX™ is revolutionizing food safety for manufacturers by ensuring that all aerosol components are metal detectable for LPS® NSF® products. Minimizing the possibility of plastic aerosol components contaminating food products reduces the likelihood of costly production line shut downs and product recalls.

The new patent-pending technology, DETEX™, will assist food plants in meeting strict HACCP requirements regarding the use of these products.

LPS® manufactures high performance contact cleaners, industrial degreasers, lubricants, penetrants, greases, and other MRO chemicals. LPS® will continue to lead the market for MRO chemical innovations and will strive to increase safety in the food processing industry.

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Aerosol
Extension
Tube



Aerosol
Actuator



Aerosol
Cap



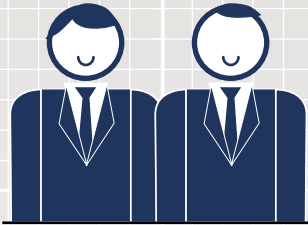
Cartridge
Cap



YOUR MRO PROBLEM SOLVER

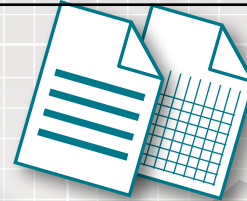
LPS® strives to provide world-class MRO solutions that bring value to our customers. This includes solutions outside of our high-performing lubricants, cleaners, and specialty MRO chemicals.

CONDUCTS



LPS® DIRECT
SALES FORCE

LPS® MRO CHEMICAL
ASSESSMENT



PROVIDES

CONSOLIDATE YOUR INVENTORY



DOCUMENTED
COST SAVINGS

SUPPORTS



PRODUCT &
SAFETY TRAINING

PRESENTS



FOOD GRADE SILICONE LUBRICANT

- NSF® Registered H1 # 113815
- Meets FDA regulation for incidental food contact
- Dry film will not attract dust or dirt
- Provides excellent lubrication
- Ideal for releasing molded parts
- Temperature resistance up to 400°F (204°C)
- Acceptable for use in Canadian food processing establishments



PACKAGE SIZE

Net Contents	Part No.
10 wt. oz. / 284 g / 454 mL	01716



FOOD GRADE MACHINE OIL

- NSF® Registered H1 # 129000
- Penetrates to loosen frozen nuts and bolts
- Provides excellent lubricity
- Colorless
- Eliminates sticking, binding, and squeaking
- Non-staining lubricant
- Displaces water
- Temperature resistance up to 385°F (196°C)
- Petroleum-based lubricant
- Acceptable for use in Canadian food processing establishments.



PACKAGE SIZE

Net Contents	Part No.
11 wt. oz. / 312 g / 376 mL	01316

FOOD GRADE CHAIN LUBRICANT

- NSF® Registered H1 # 132899
- Excellent for applications involving incidental food contact on food processing equipment
- Foaming action provides extra penetration and lubrication
- Oily, wet film extends chain life
- Resists sling off and water wash out
- Temperature resistance up to 325°F (163°C)
- Petroleum-based lubricant
- Acceptable for use in Canadian food processing establishments.



PACKAGE SIZE

Net Contents	Part No.
12 wt. oz. / 340 g / 430 mL	06016

HEAVY-DUTY SILICONE LUBRICANT

- NSF® Registered H1 # 059820
- Meets FDA regulation for incidental food contact
- Water-based, silicone-rich formula
- Ideal for rubber and plastic surfaces
- Eliminates sticking, binding, and squeaking
- Non-staining and low odor
- Temperature resistance up to 392°F (200°C)
- Acceptable for use in Canadian food processing establishments
- Complies with State and Federal consumer product regulations



PACKAGE SIZE

Net Contents	Part No.
13 wt. oz. / 369 g / 439 mL	51516

DETEX™ METAL DETECTABLE PLASTIC COMPONENTS



K2 ELECTRONIC CLEANER

- NSF® Registered K2 # 146516
- Removes dirt, moisture, and oxides from electronic equipment
- Plastic safe and ideal for cleaning delicate precision mechanisms
- Rapidly evaporates, no residue
- Manufactured for the food industry and safe for use in all plant areas when food is not being processed
- VOC compliant in all 50 States
- Ideal for use on off-line electronic components

PACKAGE SIZE

Net Contents

11 wt. oz. / 312 g / 416 mL

Part No.

57116



NEW!



BELT DRESSING

- NSF® Registered H1 # 134508
- Prevents belt slippage on flat, round, and V-belts
- Eliminates squeaks from slipping belts
- Contains water resistant, anti-slip additives
- Extends belt life and pulley bearing life
- Does not deteriorate drive belts
- May be used in wet, outdoor conditions
- Temperature resistance up to 325°F (163°C)
- Acceptable for use in Canadian food processing establishments.



PACKAGE SIZE

Net Contents

10 wt. oz. / 284 g / 445 mL

Part No.

02216



K2 NF ELECTRONIC CLEANER

- NSF® Registered K2 #146517
- Non-flammable cleaner with high dielectric strength
- Rapidly evaporates, no residue
- Safe to use on most surfaces
- High solvency value for quick penetration and effective cleaning
- Ideal for use in food industry applications when food is not being processed
- VOC compliant in all 50 states

PACKAGE SIZE

Net Contents

12 wt. oz. / 340 g / 279 mL

Part No.

57016



NEW!



CLEAR PENETRATING GREASE

- NSF® Registered H1 # 143804
- High tack
- Quick penetrating action
- Resists water washout
- Temperature resistance up to 400°F (204°C)
- Protects against corrosion
- Petroleum-based grease



Scan to watch
Clear Penetrating Grease
Product Demo Video



THERMAPLEX® FOODLUBE BEARING GREASE

- NSF® Registered H1 #117848
- Acceptable for use in Canadian Food Processing Establishments
- Uses only FDA listed ingredients
- Ensures safety in areas where incidental food contact may occur
- High degree of water washout resistance
- Excellent corrosion protection
- Very good load capacity
- Does not contain solvents or silicone
- Non-staining and non-emulsifying

PACKAGE SIZE

Net Contents

14.1 wt. oz. / 400 g

Part No.

70114



PACKAGE SIZE

Net Contents

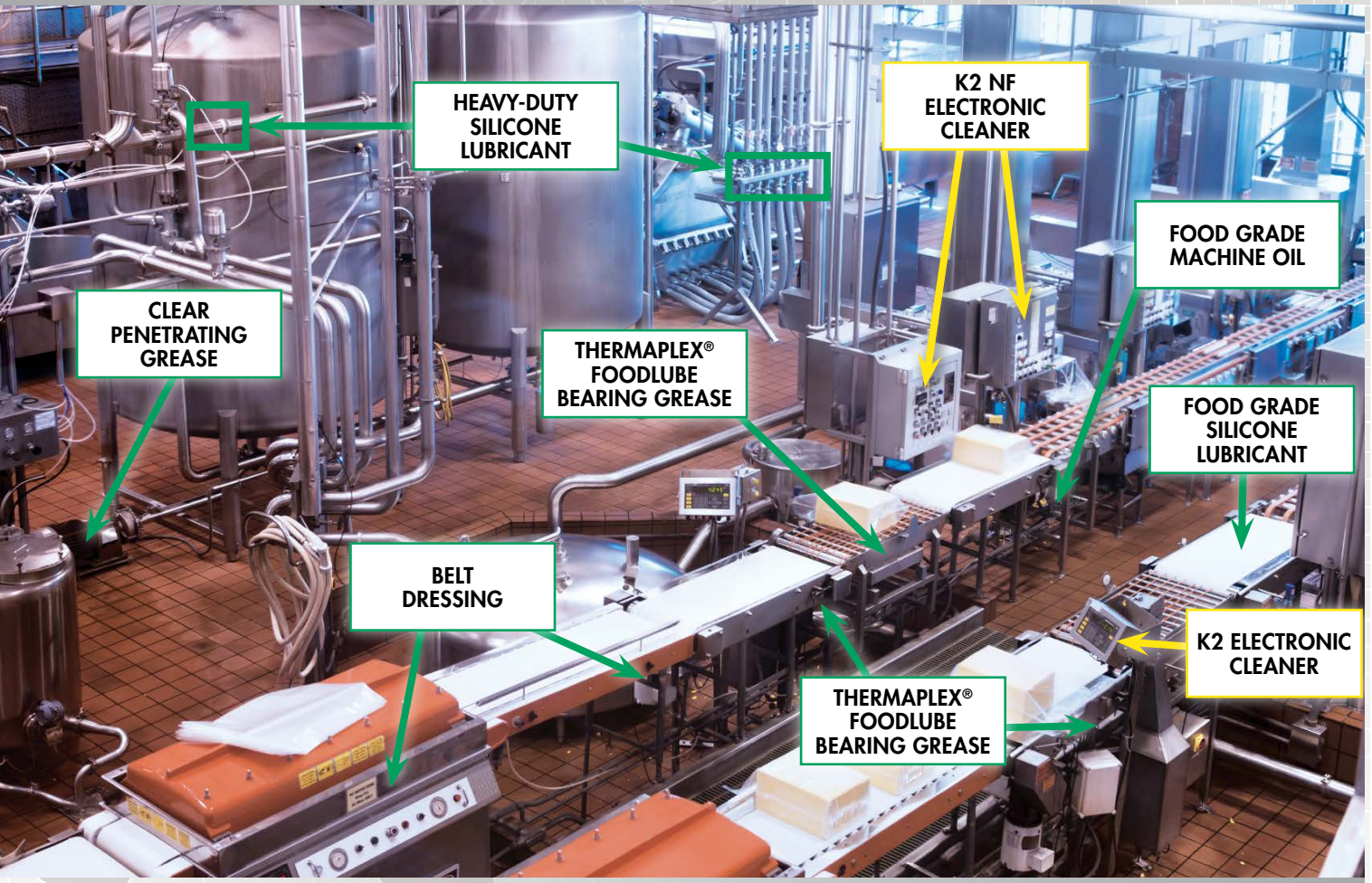
11 wt. oz. / 312 g / 420 mL

Part No.

06716

LPS® FOOD GRADE PRODUCTS

APPLICATION CHART



FOOD GRADE SILICONE LUBRICANT

A non-staining, high quality, lubricant for use as an anti-stick agent on chutes and slides in food processing and handling applications.



HEAVY-DUTY SILICONE LUBRICANT

The silicone-rich, water-based formula that is safe on all surfaces. Protects rubber and plastic parts on food processing equipment, e.g. rubber seals, o-rings.



THERMAPLEX® FOODLUBE BEARING GREASE

Engineered for the effective lubrication and protection of all types of ball, roller, and plain bearings. Excellent water washout resistance and a wide operating temperature range.



FOOD GRADE MACHINE OIL

Penetrates to provide complete surface coverage protection against wear and corrosion. Excellent lubricant for use on food processing equipment.



BELT DRESSING

Extends belt life, prevents belt slippage, and resists water wash out in all areas of the food plant.



K2 ELECTRONIC CLEANER

The non-chlorinated, plastic safe cleaner that is engineered to rapidly clean and restore electronic components.



FOOD GRADE CHAIN LUBRICANT

Formulated specifically for use as a lubricant and corrosion inhibitor on food processing chains, conveyors, and equipment.



CLEAR PENETRATING GREASE

The high performance, versatile lubricant fortified with PTFE additives for enhanced lubrication. Formulated for use in food packaging and processing industries.



K2 NF ELECTRONIC CLEANER

A non-flammable, heavy-duty electronic cleaner that is engineered to rapidly clean and restore electronic components.

LPS® FOOD GRADE PRODUCTS

APPLICATION CHART

● Excellent Choice
◐ Good Choice
○ Fair Choice
Blank = Not Recommended

	PRODUCT	BELT DRESSING	CLEAR PENETRATING GREASE	FOOD GRADE CHAIN LUBRICANT	FOOD GRADE MACHINE OIL	FOOD GRADE SILICONE LUBRICANT	HEAVY-DUTY SILICONE LUBRICANT
MATERIALS	Aluminum		●	●	●	◐	◐
	Brass		●	●	●	◐	◐
	Cast Iron		●	●	●	◐	
	Copper		●	●	●	◐	◐
	Painted Metals		○	●	●	◐	○
	Plated Metals		●	●	●	●	◐
	Stainless Steel		●	●	●	◐	◐
	Cold Rolled Steel		●	●	●	◐	
	Galvanized Steel		●	●	●	◐	
	Plastic	◐	○	◐	◐	●	●
	Rubber	●				●	●
APPLICATIONS	Bearings		◐				
	Bottling Equipment	◐	●		●		◐
	Breakers						
	Cables		●	●	●	◐	●
	Castors	●	●	●	●	●	●
	Chains	●	●	●	●	●	●
	Channels	●	●	●	●	●	●
	Chutes	●	●	●	●	●	●
	Connectors						
	Contacts						
	Controls						
	Conveyors	●	●	●	●	●	●
	Digital Equipment						
	Drive Belts	●	●	●	●	●	●
	Filling Equipment	●	●	●	●	●	●
	Food Racks	●	●	●	●	●	●
	Food Service Carts	●	●	●	●	●	●
	Gears	●	●	●	●	●	●
	Guards	●	●	●	●	●	●
	Guide Rails	●	●	●	●	●	●
	Metal Bushings	●	●	●	●	●	●
	Metal Rollers	●	●	●	●	●	●
	Moving Plastic Parts	●	●	●	●	●	●
	O-Rings	●	●	●	●	●	●
	Office Equipment						
	Open Drives	●	●	●	●	●	●
	Pins	●	●	●	●	●	●
	Pistons	●	●	●	●	●	●
	Plastic Gears	●	●	●	●	●	●
	Plastic Rollers	●	●	●	●	●	●
	Printed Circuits						
	Rubber Bushings	●	●	●	●	●	●
	Rubber Mountings	●	●	●	●	●	●
	Seals	●	●	●	●	●	●
	Slicers	●	●	●	●	●	●
	Slides	●	●	●	●	●	●
	Sliding Tracks	●	●	●	●	●	●
	Sprockets	●	●	●	●	●	●
	Switches						
	Valves	●	●	●	●	●	●
	Window Channels	●	●	●	●	●	●
	Wire Rope	●	●	●	●	●	●



METAL DETECTABLE PLASTIC COMPONENTS

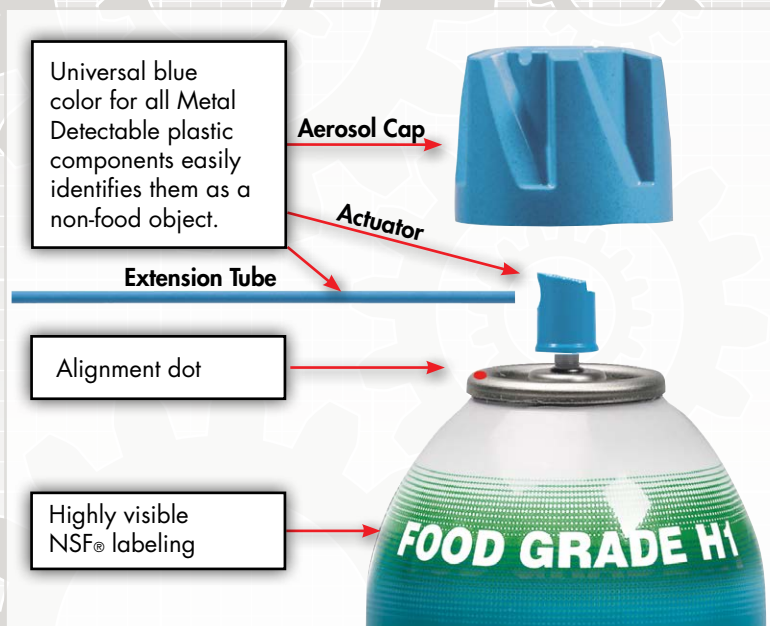
(PATENT PENDING)



Scan to watch
DETEX™
Product Demo Video

LPS® DETEX™ Metal Detectable Plastic Components are designed to assist food processing plants in meeting strict HACCP requirements regarding the use of LPS® NSF® products.

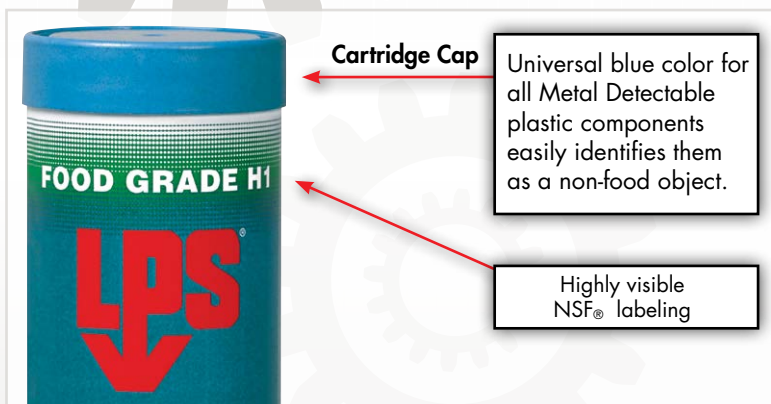
AEROSOL COMPONENTS



ADDITIONAL AEROSOL FEATURES:

- Certified food safe container
- Dual language labeling: English and Spanish
- 2-piece aerosol can; 10% – 15% lighter than a 3-piece aerosol can

GREASE CARTRIDGE COMPONENTS



ADDITIONAL CARTRIDGE FEATURE:

- Tri-lingual labeling: English, Spanish, and French

FEATURES	BENEFITS
All plastic components are Metal Detectable and capable of detection by most metal detection equipment.	Reduce concerns of food product contamination and assist with HACCP requirements.
All Metal Detectable plastic component ingredients are GRAS listed (Generally Accepted As Safe - FDA 21 C.F.R. Sections 177 and 178).	Meets FDA requirements as an acceptable material for use in food processing plants.
Easily identified NSF® product labeling. NSF® H1 lubricants can have incidental food contact.	Distinct labeling helps to prevent use of non NSF® approved LPS® products in the food processing area.
Lithographed labels – LPS® does not use paper labels.	No chance of torn paper labels contaminating food as it is processed.
Aerosol can is in compliance with the Food Safety Net Services (FSNS). FDA 21 C.F.R.175.300, 1935/2004/EC.	Aerosol can does not contain: Heavy metals, BADGE, BFDGE, NOGE, and Bisphenol-A (BPA).

COMPONENT	EQUIVALENT TEST SPHERE SIZE
Aerosol Cap	>3.0 mm Ferrous
Actuator	2.2 mm Ferrous
Extension Tube	1.0 mm Ferrous
Cartridge Cap	>3.0 mm Ferrous

NOTE:

1. Minimum detection limits will vary depending on individual customers' equipment and operating conditions. (See chart above)
2. Plastic component detection limits are based on whole components. Partial components may not be detectable due to detector limitations, partial component size, malfunctioning equipment and/or the type of food product undergoing processing.
3. LPS® Laboratories recommends that all components be tested prior to implementation (separately and included in the processed food product) and/or consult your specific metal detector equipment manufacturer directly.
4. Product shelf life, warranty, and material safety data sheets are available at www.lpslabs.com. LPS® Laboratories is not responsible for use of this product inconsistent with its instructions and warnings.
5. LPS® Laboratories is not responsible for failure to detect components due to detector limitations and/or detector malfunctions. Refer to the metal detector manufacturer's design limitations, instructions, and warnings regarding the use, limitations, and proper maintenance of the equipment.

PACKAGING BENEFITS

PACKAGING ICONS

- DETEX™** - Contains metal detectable plastic components
- Oversized E-Z Spray Nozzle**
- Power Blast Spray:** High spray delivery application
- Inverta Spray Valve:** For hard-to-reach areas, this valve allows you to spray in upright and inverted positions

ENVIRONMENTAL ICONS

- A product with no VOC (Volatile Organic Compounds) content based on Federal Consumer Product Regulations**
- A product with VOC content ≤10% based on Federal Consumer Product Regulations**
- Meets California Air Resources Board (CARB) VOC regulations for consumer products**
- Meets 2006 Ozone Transport Commission (OTC) model rules for consumer products**
- No Hazardous Air Pollutants**

PRODUCT ICONS

- NSF® Nonfood Compounds Registration:** NSF® is a continuation of the USDA product approval and listing program for chemical products which can be used in food plants
- Acceptable for use in Canadian Food Processing Establishments**
- Biodegradable contents**
- No Chlorinated Solvents**
- Non-Conductive**
- Non-Flammable**
- Low Toxicity**
- Product is safe to use on plastics**
- PTFE (polytetrafluoroethylene):** reduces friction, wear, and energy consumption of machinery
- Products which do not contain silicone**
- Displaces moisture**
- Product can withstand Low Temperatures**
- Product can withstand High Temperatures**
- Product can withstand Extreme Pressures**
- Meets NLGI 2 (National Lubricating Grease Institute) standards**
- Fast Evaporating Product**
- Product leaves no residue after use**
- Product has no odor**
- Product has very little odor**

IS (EYES) - IDENTIFICATION SYSTEM



COLOR CODES
to easily identify product categories

Directions for clear usage

Warning information for user safety

FEATURE ICONS
Simple visual identification of the product's features

Typical applications for usage of the product

Specifications and Approvals

Right-to-Know and HMIS® information for user safety

NO SIDE SEAM
eliminates the possibility of corrosion

IS (eyes) COLOR CODES

- Lubricants/Penetrants
- Cleaners and Degreasers
- Electrical Cleaners
- Greases
- Corrosion Inhibitors
- Cutting Fluids
- Specialty MRO Products



SIDE VIEW

FOOD GRADE PRODUCTS AVAILABLE FROM LPS®

		NSF® CATEGORY CODE							CFIA
		DETEX™	H1	A1	C1	H2	K1	K2	
LUBRICANTS/PENETRANTS									
FOOD GRADE ANTI-SEIZE	Bulk		●						☞
FOOD GRADE CHAIN LUBRICANT	Aerosol	D	●						☞
FOOD GRADE MACHINE OIL	Aerosol	D	●						☞
FOOD GRADE SILICONE LUBRICANT	Aerosol	D	●						☞
HEAVY-DUTY SILICONE LUBRICANT	Aerosol & Bulk	D	●						☞
KB 88 THE ULTIMATE PENETRANT	Aerosol & Bulk					▼			
LPS 1® GREASELESS LUBRICANT	Aerosol & Bulk					▼			☞
LPS 2® HEAVY-DUTY LUBRICANT	Aerosol & Bulk					▼			☞
LST PENETRANT	Aerosol & Bulk					▼			
MAGNUM PREMIUM LUBRICANT WITH PTFE	Aerosol & Bulk					▼			
TKX® ALL PURPOSE LUBRICANT	Aerosol & Bulk					▼			
CLEANERS & DEGREASERS									
A-151 SOLVENT DEGREASER	Aerosol & Bulk				▼				
BFX ALL PURPOSE DEGREASER	Bulk				▼				
EM-CITRO EMULSION DEGREASER	Aerosol & Bulk				▼				
EVR CLEAN AIR SOLVENT DEGREASER	Aerosol				▼				
G-49™ ORANGE DEGREASER LOW VOCs	Aerosol				▼				
HDX HEAVY-DUTY DEGREASER	Aerosol & Bulk						▼		
INSTANT SUPER DEGREASER	Aerosol & Bulk				▼				☞
PRECISION CLEAN MULTI-PURPOSE CLEANER/DEGREASER	Bulk				▼				
PRESOLVE® ORANGE DEGREASER	Aerosol & Bulk				▼				
T-91 NON-SOLVENT DEGREASER	Bulk			▼					☞
ZEROTRI® HEAVY-DUTY DEGREASER	Aerosol & Bulk				▼				☞
ELECTRONIC CLEANERS									
K2 ELECTRONIC CLEANER	Aerosol	D						▼	
K2 NF ELECTONIC CLEANER	Aerosol	D						▼	
CFC FREE	Aerosol & Bulk							▼	
CFC FREE NU CONTACT CLEANER	Aerosol							▼	
MICRO-X FAST EVAPORATING CONTACT CLEANER	Aerosol & Bulk							▼	
MICRO-X NU FAST EVAPORATING CONTACT CLEANER	Aerosol							▼	
NOFLASH® ELECTRO CONTACT CLEANER	Aerosol							▼	
PSC PLASTIC SAFE CLEANER	Aerosol							▼	
REVO 66 CONTACT CLEANER	Aerosol							▼	☞
CORROSION INHIBITORS									
COLD GALVANIZE CORROSION INHIBITOR	Aerosol & Bulk								☞
LPS 3® PREMIER RUST INHIBITOR	Aerosol & Bulk					▼			☞
GREASES									
CLEAR PENETRATING GREASE	Aerosol	D	●						
THERMAPLEX® BIO GREEN™ BEARING GREASE	Bulk					▼			
THERMAPLEX® CS MOLY BEARING GREASE	Bulk					▼			
THERMAPLEX® FOODLUBE BEARING GREASE	Bulk	D	●						☞
WHITE LITHIUM GREASE WITH PTFE	Aerosol								☞
SPECIALTY MRO PRODUCTS									
ANTI-SPATTER	Aerosol								☞
BELT DRESSING	Aerosol	D	●						☞

D DETEX™ Metal Detectable Plastic Aerosol Components

▼ DO NOT USE while food is being processed in manufacturing areas.

● CLEAR TO USE while food is being processed in manufacturing areas.

☞ Acceptable for use in Canadian food processing establishments.

For more information please visit us on line at www.lpslabs.com or call 800-241-8334.

DIRECT OR INCIDENTAL FOOD CONTACT

H1: LUBRICANTS WITH INCIDENTAL FOOD CONTACT

These compounds may be used as a lubricant with incidental food contact for use in official establishments operating under the Federal meat and poultry products inspection program. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is potential exposure of the lubricated part to food. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the compounds must be removed from the equipment surface by washing or wiping, as required to leave the surface effectively free of any substance which could be transferred to food being processed.

NO FOOD CONTACT

A1: GENERAL USE CLEANER

Compounds for use as general cleaning agents on all surfaces, or for use with steam or mechanical cleaning devices in all departments. Before using these compounds, food products and packaging materials must be removed from the room or carefully protected. After using these compounds, surfaces must be thoroughly rinsed with potable water.

C1: GENERAL CLEANERS WITH NO FOOD CONTACT

Compounds for use on all surfaces in inedible food product processing areas, nonprocessing areas, and/or exterior areas.

These compounds must not be used to mask odors resulting from unsanitary conditions. They must be used in a manner which prevents penetration of any characteristic odor or fragrance into edible product areas. Compounds containing isomers of dichlorobenzene, or other substances toxic by inhalation, may be used only in areas where there is adequate ventilation to prevent accumulation of hazardous vapors.

Permission for the use of these compounds on loading docks and other similar areas is left to the discretion of the Inspectors in charge of the plants.

H2: LUBRICANTS WITH NO FOOD CONTACT

These compounds may be used as a lubricant, release agent, or antirust film on equipment and machine parts or in closed systems (e.g., hydraulic systems) in locations in which there is no possibility of the lubricant or lubricated part contacting edible products.

K1: CLEANER AND DEGREASER FOR USE IN NON-PROCESSING AREAS

Cleaning and/or degreasing solvents for use in non-processing areas. Following the use of these compounds, equipment and utensils must be thoroughly washed, and rinsed with potable water, before being returned to a processing area.

K2: SOLVENTS FOR CLEANING ELECTRONIC INSTRUMENTS

These compounds are chemically acceptable for cleaning electronic instruments and devices which will not tolerate aqueous cleaning solutions. Before using these compounds, food products, and packaging materials must be removed from the area or carefully protected. These compounds must be used in a manner so that all odors associated with the compound are dissipated before food products or packaging materials are in the area.



METAL DETECTABLE PLASTIC COMPONENTS



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