





CRC, one of the world's leading manufacturers of maintenance chemical products for over 55 years, has made a commitment to provide the best solutions for our customers. **CRC** can help meet the challenges of today's highly regulated environment by offering a full line of specialty chemical products custom-matched to meet every application need.

CRC always has the right solution for our customer's MRO challenges because we offer a broad range of products. We have over 800 SKUs in product categories including Precision Cleaners, Degreasers, Lubricants, Corrosion Inhibitors and Sealants. Again and again, more professionals look to **CRC** for quality products and innovative solutions.

CRC is the only company in the industry to offer the S.D.[L.]® — a Safety Data Sheet printed on the reverse side of the product label. Of course, the information that starts with our label never stops. Just call our toll-free technical service line (800) 521-3168 or visit our website, www.crcindustries. com, for more product information and training.

The quality of our information is matched by the quality of our products. As an ISO-9001:2008 certified manufacturer, **CRC** places strict controls on every step of our product development and manufacturing process; starting with the finest raw materials and continuing with our consistent, quality manufacturing techniques. Becoming certified to ISO standards is not a requirement, but meeting ISO standards and continually gaining re-certification is an excellent example of our commitment to quality and consistency.

CRC has grown by addressing the needs of our customers, and our commitment to innovation and quality service will allow us to continue to be the one you call when you want the best. This Product Guide offers a look at quality products and problem solving programs offered by **CRC**.











NSF® Catetory Codes	4
Products by NSF® Catetory Codes	5
Icons	6
Product Features	7
Greenlight Food Safety Programme	8
Food Grade Lubricants	14
How to Remove Food Grade Lubricants	17
Direct Food Contact Products	18
Food Grade Bulk	19
Food Equipment Materials	20
Food Grade Bulk Technical Information	21
Lubricants	22
How to Remove Lubricants	23
Protection and Corrosion Inhibitors	24
Precision Cleaners	25
Industrial Degreasers and Cleaners	26
Speciality Products	27
SmartWasher®	28
Environmentally Preferred Products	30
Product Name Index	31

NSF® CATEGORY CODES

NSF EXPLAINED

NSF is an abbreviation for the National Sanitation Foundation, which was founded in 1944 as a not-for-profit, non-governmental organisation. NSF international is a global provider of public health and safety risk management solutions to companies, governments and consumers. In 1999, it launched its voluntary Non-food Compounds Registration Programme to re-introduce the previous authorisation programme administered by the U.S. Department of Agriculture (USDA). Product evaluation is based on formulation and label review and products which comply with the relevant regulations and guidelines receive a Letter of Authorisation and are included in the 'NSF White Book™ Listing of Proprietary Substances and Non-food Compounds'.



Acceptable as a lubricant with incidental food contact for use in and around food processing areas. 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 a 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 compound 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.



Acceptable as a lubricant where there is no possibility of food contact in and around food processing areas. Such compounds may be used as lubricants, release agents, or anti-rust films on

equipment and machine parts in locations in which there is no possibility of the lubricant or lubricated part contacting edible products.



Acceptable as a lubricant with incidental food contact for use in and around food processing areas. 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 a 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 compound 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.



Acceptable for use as a general cleaner on all surfaces in and around food processing areas, where its use is not intended for direct food contact. All food products and packaging materials

must be removed or protected prior to product use. After use of this product, surfaces should be rinsed with potable water. The cleaner should not exhibit a noticeable odour nor leave a visible residue.



Acceptable for use in inedible product processing areas, non-processing areas, and/or exterior areas of food processing establishments provided that it is not used to mask odours

resulting from unsanitary conditions, and that any characteristic odour or fragrance does not penetrate into an edible product area. When used on equipment that will be returned to a food processing area, the product must be completely washed off and rinsed with potable water before returning to the processing area.



Acceptable for use as a hand cream, lotion or cleaner in non-processing areas. The use of such products is limited to toilets, dressing rooms and other non-processing areas.



Acceptable for use as a cleaner and degreaser for use in non food processing areas, which are used to remove oil, wax, resinous materials, or other substances not removable by using acidic or

alkaline cleaning agents. Their use is limited to non-processing areas where there is no possibility of solvent vapours entering a processing area. Food processing equipment or utensils treated with such preparations must be washed with an acceptable detergent solution and thoroughly rinsed with potable water before returning to a processing area.



Acceptable for use as a solvent for cleaning electronic instruments and devices, which will not tolerate aqueous cleaning solutions in and around food processing areas, where its use is not intended for

direct food contact. Before using this compound, food products and packaging materials must be removed from the area or carefully protected. This compound must be used in a manner so that all odours associated with the compound are dissipated before food products or packaging materials are re-exposed in the area.



Acceptable for use as an adhesive or glue remover, for removing adhesive or glue from food packaging materials in and around food processing areas, where its use is not intended for direct

food contact. Before using this compound, food products and packaging materials must be removed from the area or carefully protected. After using these compounds, all surfaces must be thoroughly washed with an acceptable detergent solution and rinsed with potable water. This compound must be used in a manner so that all odours associated with the compound are dissipated before food products or packaging materials are re-exposed in the area.



Acceptable for use as a mold release agent on molds that are used to produce packaging materials that will contact food to prevent the finished product from adhering to the mold. The

amount used on the equipment should be the minimum required to accomplish the effect.



Acceptable for use as a TFT, LCD and plasma screen cleaner (P1), in and around food processing areas. The product must only be used in such a manner as to ensure it will have neither direct nor

indirect contact with food or potable water.



Acceptable for use as a coating where there is no possibility of food contact such as floors, walls, and ceilings.



Acceptable as a sealant for all food contact types with a maximum temperature use of 204°C, used in the manufacture of commercial food service equipment and its components.

HACCP

HACCP (Hazard Analysis Critical Control Point) is the systematic preventative approach to food safety that helps food business operators look at how they handle food and introduces procedures to make sure the food produced is safe to eat. It addresses physical, chemical and biological hazards as a means of prevention rather than finished product inspection. Retailers, the food industry and Government in particular are concerned about ensuring that food is produced safely and that the consumer has confidence in the product. HACCP has been increasingly applied to industries other than food, such as cosmetics and pharmaceuticals.

PRODUCTS BY NSF CATEGORY



2085	Di-Electric Grease (Silicone Paste)	p22
3035	Food Grade Water Based Silicone	p15
3038	Food Grade White Grease	p14
3040	Food Grade Silicone	p14
3054	Food Grade Syntha-Tech Lubricant	p14
3055	Food Grade Chain Lube	p14
3065	Food Grade Belt Dressing	p16
3081	Food Grade Machine Oil	p16
3082	Food Grade Di-Electric Grease (Aerosol)	p15, 22
3085	Food Grade Lubricant and Sealant	p15
3086	Food Grade Penetrating Oil	p14
4202	Food Grade Synthetic Compressor Oil	p19
4212	Food Grade Synthetic Hydraulic Oil ISO 48	p19
4216	Food Grade Synthetic Hydraulic Oil ISO 68	p19
4232	Food Grade Synthetic Gear & Chain Oil	p20
4246	Food Grade Gear Oil SAE 90	p20
4258	Food Grade Air Tool Oil	p20
4261	Food Grade Proofer Chain Lube	p19
4269	Food Grade Chain Lube	p20
SL35600	Food Grade Multi-Purpose Grease	p16
SL35605	Food Grade Multi-Purpose Grease	p20
SL35610	Food Grade Synthetic Grease	p16
SL35906	Food Grade Anti-Seize Compound	p16



92005	2-26 Multi-Purpose Lubricant	p22
3005	3-36 Multi-Purpose Lubricant & Corrosion Inhibitor	p22
92088	3-36 Multi-Purpose Technical Grade	p22
3050	Chain & Wire Rope Lubricant	p22
3044	Dry PTFE Lube	p22
3076	Tac 2® Adhesive Chain Lubricant	p23
3020	Knock'er Loose	p24
3027	Knock'er Loose Plus Penetrating Solvent	p24
3262	SP-350 Corrosion Inhibitor	p24
3282	SP-400 Corrosion Inhibitor	p24



4590	Direct Food Contact Pan Divider Oil ISO 15	p18
4592	Direct Food Contact White Oil ISO 22	p18
4594	Direct Food Contact White Oil ISO 46	p18
4596	Direct Food Contact While Oil ISO 100	p18



14082	Food Zone Silicone Sealant (White)	p20
14083	Food Zone Silicone Sealant (Clear)	p20



14740/1	SmartWasher®	p28
---------	--------------	-----



14005	Natural Degreaser	p26
14406	Hydro-Force All Purpose Degreaser	p30
14412	Hydro-Force Glass Cleaner	p30
14414	Hydro-Force Industrial Strength Degreaser (510g)	p26
14416	Hydro-Force Industrial Strength Degreaser (3.8₺)	p26
14417	Hydro-Force Industrial Strength Degreaser (18.9€)	p26
14424	Hydro-Force Stainless Steel Cleaner	р30



4100	Hand Cleaner Towels	p27
		r



3201	Isopropyl Alcohol Precision Cleaner	p25
2120	Lectra Clean II Low VOC (425g)	p22
2121	Lectra Clean II Low VOC (18.9ℓ)	p22
3115	T-Force Degreaser	p26



2130	QD Contact Cleaner	p25
2016	CO Contact Cleaner	p25
2140	Contact Cleaner 2000	p25
3201	Isopropyl Alcohol Precision Cleaner	p25
2018	Lectra Clean (539g)	p26
2020	Lectra Clean (3.8ℓ)	p26
2120	Lectra Clean II Low VOC (425g)	p22
2121	Lectra Clean II Low VOC (18.9ℓ)	p22



3250	Industrial Adhesive Remover	p27
------	-----------------------------	-----



Food Grade Silicone Mold Release	p15
----------------------------------	-----



15403	Leak Detector	p27
13403	Leak Detector	ρ_{\perp}



18211 St	teel Re-Nu		p24	1
----------	------------	--	-----	---

CATEGORY KEY	Food Grade
Protection & Corrosion Inhibitors	Lubricants
Industrial Degreasers & Cleaners	Precision Cleaners
Environmentally Preferred Products	Speciality

Icons are an indication of use. However, please refer to MSDs and TDSs for accurate information



360° SPRAY VALVE



AUTOMOTIVE



AVIATION



ELECTRICAL



ELECTRONIC



ENVIRONMENTALLY PREFERRED PRODUCTS (EPP)



EVAPORATIVE



FLAMMABLE



MINING/INDUSTRIAL



MULTI-PURPOSE (Lubricate/Protect/ Penetrate/De-water



NON-FLAMMABLE



SPECIALITY



KAURI BUTANOL (KB) VALUE





CRC Industries has over 75 food grade maintenance products within the NSF H1 category designation. These items are approved for use where incidental food contact might occur. Understanding the importance for continuous improvement in food safety, CRC has introduced a new label design for all CRC H1 Food Grade Lubricants to ensure proper usage of these products in the workplace. In addition, CRC H1 Food Grade aerosol lubricants utilize the revolutionary Perma-Lock® cap — a one-piece, 2-way integrated actuator that will not detach!

Silver Band

Quick visual identification of CRC H1 products from across the plant floor with unique silver branding.

Greenlight Graphic

Greenlight image immediately identifies product as H1 certified.

Product Name

Clear & descriptive product name provides immediate recognition of use

S.D.[L.]®

Current Safety Data Sheet printed on the reverse side of aerosol product label — a CRC exclusive — puts Disposal, First Aid and important safety information right at your fingertips!



Perma-Lock® Actuator

Permanent, 2-Way integrated actuator offers 2 spray patterns. Flip straw down for wide spray pattern; flip straw up for a precision application.

Perma-Lock® cap will not detach, safeguarding against costly recalls. No lost nozzles, straws or caps!



Perma-Lock® — Prevention. Not Detection.®

NSF Logo & Number

NSF Category Code and registration # prominently displayed to aid during the inspection process.

OR Code

Instant access to mobile-ready product detail page.

Dual Hazcom Label

Labels are GHS OSHA (Global Harmonized System) & CPSC (Consumer Product Safety Commission) compliant.



GREENLIGHT FOOD SAFETY PROGRAMME





CRC understands the food industry, whether its growing, processing, packaging or production. **CRC** food grade products are registered by the National Sanitation Foundation (NSF*) and conform to its strict standards.

We also understand that a range of maintenance products is no longer enough, that is why we have not only developed over **75 NSF H1**** products, manufactured to the same high standard that has made **CRC** a worldwide leader in MRO maintenance, but we have also developed our exclusive **CRC GREENLIGHT Food Safety Program**, developed to reduce the risk of incident when conducting maintenance during production.

We believe the CRC GREENLIGHT Food Safety Program will either simplify or improve on your current QA auditing programs through the introduction of...

- ▼ The CRC range of NSF H1 maintenance products
- ✓ A visual food safety identification program
- ✓ Training on the risk reduction program for your staff
- ✓ Site survey and assessment
- On-going updates to ensure you remain at the highest level of regulatory compliance
- ✓ Inventory assessment & management with an aim to reduce costs

^{**} This product is acceptable as a lubricant with incidental food contact (HI) for use in and around food processing areas. 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 a 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 compound 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



^{*} NSF International is the only independent, third-party organization that offers product registration for nonfood compounds such as lubricants, cleaners and water treatment chemicals used in food and beverage processing. The NSF also certifies food-grade lubricants to ISO 21469 and work with processors to specify registered products.



FACILITY ZONING



Food processing area - Incidental food contact







Food processing area - Non-food contact













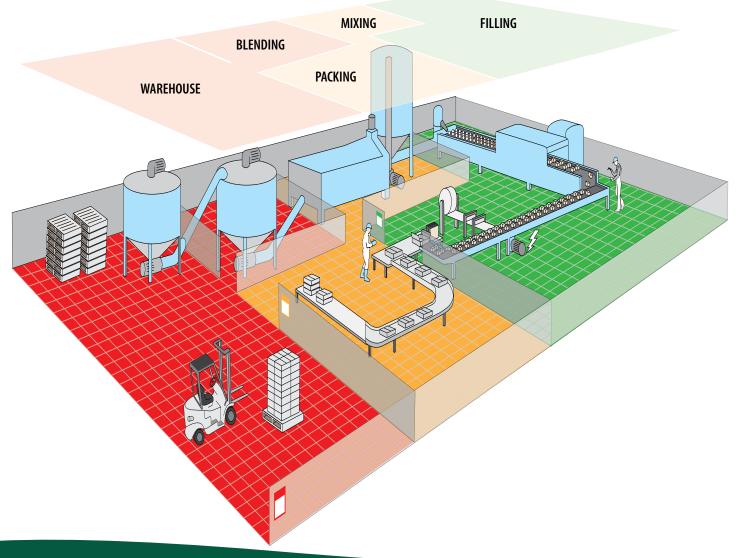


Non-processing area - Non-food contact









The facility is zoned according to risk of food/drink contamination. Green zones are where only the "safest" products are authorised, whereas amber and red zones have decreasing product controls. The zone colour matches the product colours for a simple, visual, authorisation check.

GREEN

Only Green classified products to be used in the area, e.g. Food Processing Areas, Unpackaged Goods Areas. Some Amber coloured products may be used - check zone poster for authorised products

AMBER

Many products can be used here, but check - caution! e.g. Sore Rooms, Food Processing Areas

RED

Any product can be used here, e.g. Engineering Workshops, Outside Areas, Finished Good Warehouse

G GRE	R© ENLIGHT AFETY PROGRAM	CR®
		EN ZONE
CODE	PRODUCT	as authorised for use in this zone
		<u> </u>
		Zone:
Authorised by:		

GRE	ENLIGHT AFETY PROGRAM	CR©
		ER ZONE
CODE	PRODUCT	ns authorised for use in this zone APPLICATION
Authorised by:	1	Zone:
Contact:		





Using the Greenlight Food Safety Programme demonstrates a commitment to reducing risk to consumers from potential product contamination during processing.

GREENLIGHT FOOD SAFETY PROGRAMME

COLOUR CODING MATRIX

Food processing area - Incidental food contact

Food processing area - Non-food contact

Non-processing area - Non-food contact



			Where U	sed	Us	e on Wh	at	Food C	ontact	Pre- Treatment	Post Tre	atment
	PRODUCTS	Colour Code	NSF Code	Food Processing Area	All Surfaces	Non-Food Contact Surfaces	Specific Surfaces	Incidental Contact	No Contact	Remove Food & Packaging?	Post-application water rinse	Allow any odour to dissipate?
CODE	FOOD GRADE LUBRICANTS											
4590	Direct Food Contact Pan Divider Oil		H1, 3H	$\overline{\mathbf{V}}$	$\overline{\mathbf{A}}$	V	$\overline{\mathbf{V}}$	$\overline{\mathbf{A}}$				
4592	Direct Food Contact White Oil ISO 22		H1,3H	$\overline{\mathbf{V}}$	$\overline{\mathbf{A}}$	V	$\overline{\mathbf{V}}$	$\overline{\mathbf{A}}$				
4594	Direct Food Contact White Oil ISO 46		H1,3H	$\overline{\checkmark}$	$\overline{\mathbf{A}}$	$\overline{\mathbf{A}}$	V	$\overline{\mathbf{V}}$				
4596	Direct Food Contact White Oil ISO 100		H1,3H	$\overline{\mathbf{V}}$	$\overline{\mathbf{A}}$	V	V	$\overline{\mathbf{A}}$				
4258	Food Grade Air Tool Oil		H1	$\overline{\checkmark}$		$\overline{\mathbf{V}}$	V	$\overline{\mathbf{A}}$				
SL35906	Food Grade Anti-Seize Compound		H1	$\overline{\checkmark}$		V	$\overline{\checkmark}$	$\overline{\checkmark}$				
3065	Food Grade Belt Dressing		H1	$\overline{\checkmark}$		V	$\overline{\checkmark}$	$\overline{\mathbf{V}}$				
3055	Food Grade Chain Lube		H1	\checkmark		V	$\overline{\checkmark}$	$\overline{\checkmark}$				
4269	Food Grade Chain Lube (Bulk)		H1	\checkmark		V	V	$\overline{\checkmark}$				
3082	Food Grade Di-Electric Grease		H1	$\overline{\checkmark}$		V	V	V				
4246	Food Grade Gear Oil SAE 90		H1	$\overline{\checkmark}$		$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\mathbf{A}}$				
3085	Food Grade Lubricant and Sealant		H1	$\overline{\checkmark}$		$\overline{\mathbf{V}}$	$\overline{\checkmark}$	$\overline{\mathbf{A}}$				
3081	Food Grade Machine OII		H1	$\overline{\checkmark}$		$\overline{\mathbf{A}}$	V	$\overline{\mathbf{V}}$				
SL35600	Food Grade Multi-Purpose Grease		H1	$\overline{\checkmark}$		$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\mathbf{A}}$				
SL35605	Food Grade Multi-Purpose Grease (Bulk)		H1	V		V	V	$\overline{\mathbf{A}}$				
3086	Food Grade Penetrating Oil		H1	V		V	V	V				
4261	Food Grade Proofer Chain Lube		H1	$\overline{\checkmark}$		V	V	V				
3040	Food Grade Silicone		H1	\checkmark		V	V	V				
3301	Food Grade Silicone Mold Release		M1	$\overline{\checkmark}$		V	V	V				
3054	Food Grade Syntha-Tech Lubricant		H1	$\overline{\checkmark}$		V	V	V				
4202	Food Grade Synthetic Compressor Oil		H1	\checkmark		V	V	V				
4232	Food Grade Synthetic Gear & Chain Oil		H1	$\overline{\checkmark}$		V	V	V				
SL35610	Food Grade Synthetic Grease		H1	\checkmark		V	V	V				
4212	Food Grade Synthetic Hydraulic Oil ISO 48		H1	V		V	V	V				
4216	Food Grade Synthetic Hydraulic Oil ISO 68		H1	√		V	<u></u>	V				
3035	Food Grade Water Based Silicone		H1	V		V	V	V				
3038	Food Grade White Grease		H1	<u> </u>		V	V	V				
14082	Food Zone Silicone Sealant (White)		NSF/ANSI 51	<u> </u>		V	V					
14083	Food Zone Silicone Sealant (Clear)		NSF/ANSI 51	√		V	V					

GREENLIGHT FOOD SAFETY PROGRAMME

			Where	Used	Us	e on Wh	at	Food (Contact	Pre- Treatment	Post Tre	atment
	PRODUCTS	Colour Code	NSF Code	Food Processing Area	All Surfaces	Non-Food Contact Surfaces	SpecificSurfaces	Incidental Contact	No Contact	Remove Food & Packaging?	Post-application water rinse	Allow any odour to dissipate?
CODE	LUBRICANTS											
92005	2-26 Multi-Purpose Lubricant		H2	$\overline{\checkmark}$		$\overline{\checkmark}$	V		$\overline{\mathbf{V}}$	$\overline{\checkmark}$		$\overline{\mathbf{V}}$
3005	3-36 Multi-Purpose Lubricant & Corrosion Inhibitor		H2	V		$\overline{\mathbf{A}}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{A}}$	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
92088	3-36 Multi-Purpose Technical Grade		H2	V		$\overline{\mathbf{V}}$	V		$\overline{\mathbf{V}}$	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
3050	Chain & Wire Rope Lubricant		H2	V		$\overline{\mathbf{A}}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{A}}$	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
2085	Di-Electric Grease (Silicone Paste)		H1	$\overline{\checkmark}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$				
3082	Di-Electric Grease (Aerosol)		H1	V	$\overline{\mathbf{V}}$		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$				
3044	Dry PTFE Lube		H2	V		$\overline{\mathbf{A}}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{A}}$	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
3076	TAC 2® Adhesive Chain Lubricant		H2	$\overline{\checkmark}$		$\overline{\mathbf{V}}$	$\overline{\mathbf{A}}$		$\overline{\mathbf{V}}$	V		$\overline{\mathbf{A}}$
	PROTECTION & CORROSION INHIBITORS											
3020	Knock'er Loose		H2	$\overline{\checkmark}$		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{V}}$	V		$\overline{\mathbf{V}}$
3027	Knock'er Loose Plus Penetrating Solvent		H2	V		$\overline{\mathbf{A}}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{A}}$	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
3262	SP-350 Corrosion Inhibitor		H2	$\overline{\checkmark}$		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		V			$\overline{\mathbf{V}}$
3282	SP-400 Corrosion Inhibitor		H2	V		V	$\overline{\mathbf{V}}$		V			$\overline{\mathbf{V}}$
18211	Steel Re-Nu		R2	$\overline{\checkmark}$			$\overline{\mathbf{V}}$		V	V		$\overline{\mathbf{V}}$
	PRECISION CLEANERS											
2016	CO Contact Cleaner		K2	$\overline{\mathbf{V}}$		V	V		V	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
2140	Contact Cleaner 2000		K2	V		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		V	V		$\overline{\mathbf{V}}$
3201	Isopropyl Alcohol Precision Cleaner		K1, K2	V		V	V		V	\checkmark		$\overline{\mathbf{A}}$
2130	QD Contact Cleaner		K2	$\overline{\checkmark}$		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		V	V		$\overline{\mathbf{V}}$
	INDUSTRIAL DEGREASERS & CLEANERS											
14414	Hydro-Force Industrial Strength Degreaser (510g)		C 1	$\overline{\checkmark}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{V}}$	V	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$
14416	Hydro-Force Industrial Strength Degreaser (3.8ℓ)		C 1	$\overline{\checkmark}$	$\overline{\mathbf{V}}$	V	V		V	V	V	$\overline{\mathbf{V}}$
14417	Hydro-Force Industrial Strength Degreaser (18.9 ℓ)		C 1	$\overline{\checkmark}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		V	V	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$
2018	Lectra Clean (539g)		K2	$\overline{\checkmark}$		V	V		V	V		$\overline{\mathbf{V}}$
2020	Lectra Clean (3.8ℓ)		K2	V		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		V	V		$\overline{\mathbf{V}}$
2120	Lectra Clean II Low VOC (425g)		K2	$\overline{\mathbf{V}}$		V	$\overline{\mathbf{V}}$		V	\checkmark		V
2121	Lectra Clean II Low VOC (18.9ℓ)		K2	V		$\overline{\mathbf{A}}$	V		$\overline{\mathbf{A}}$	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
14005	Natural Degreaser		C 1	V		V	V		V	$\overline{\checkmark}$	V	$\overline{\mathbf{A}}$
3115	T-Force Degreaser		K1	$\overline{\checkmark}$		$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		$\overline{\mathbf{V}}$	\checkmark		$\overline{\mathbf{V}}$
	SPECIALITY											
4100	Hand Cleaner Towels		E4	V		V	$\overline{\mathbf{V}}$		V	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
3250	Industrial Adhesive Remover		К3	V		V	V		V	\checkmark		$\overline{\mathbf{V}}$
14503	Leak Detector		P1	V		V	<u></u>		V	✓		$\overline{\mathbf{V}}$
14740/1	SmartWasher®		A1	V		V	V		V	\checkmark		$\overline{\mathbf{V}}$
	ENVIRONMENTALLY PREFERRED PRODUCTS											
14412	Hydro-Force Glass Cleaner		C1	V		V	V		V	$\overline{\checkmark}$		$\overline{\mathbf{A}}$
14406	Hydro-Force All Purpose Degreaser		C 1	V		V	V		V	✓		$\overline{\mathbf{V}}$
14424	Hydro-Force Stainless Steel Cleaner		C1	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>		<u> </u>

FOOD GRADE SILICONE

3040





A multi-purpose silicone spray for food processing and handling applications. It forms a colourless, odourless film that lubricates and insulates in most metal-to-metal applications. Food Grade Silicone film eliminates binding and sticking, while protecting most surfaces. In addition, it may be used as a release agent.

Application: Food processing & handling equipment, chutes, guides, rails, conveyors, bottling machinery, slicers, ovens, freezers, knives, saws, coin mechanisms, linkages, locks, pulleys, timers, rubber seals, tools, vending machines and ceramic insulators.

Features and Benefits:

- Harmless to most rubbers and plastics.
- Wide effective temperature range -40°C to +200°C.
- Excellent release agent and lubricant for all surfaces.

Part Number	Container Size	Units per Case
3040	284g	12





FOOD GRADE PENETRATING OIL

3086



An effective and efficient general purpose penetrant for use on all food processing equipment. Contains a highly refined white mineral oil that is colourless, tasteless & odourless. Ideal for use on fans, carts, bottlers, conveyors, racks, ovens, stoves and freezers.

Application: Food processing equipment directly exposed to food products including scales, fans, carts, galleys, bottlers, chutes, conveyors, racks, ovens, stoves, fillers, mixers, freezers, rails and cooking appliances.

Features and Benefits:

- General, non-silicone lubricant for use on all food processing
- Eases disassembly of mechanical equipment, fittings & fixtures.
- 360° valve.
- Temperature range 0°C to +150°C.

Part Number	Container Size	Units per Case		
3086	312g	12		







FOOD GRADE WHITE GREASE

3038



A high purity, high quality aluminium complex grease that provides superior lubrication and durability in many food and pharmaceutical processing applications. Designed for high load applications requiring a long grease life. Protects equipment against rust, oxidisation and wear.

Application: Bakeries, Bottlers, Breweries, Canneries, Dairies.

Features and Benefits:

- Excellent adhesion resists throw-off and shear breakdown.
- Resistant to water, salt spray and detergent.
- Wide operating temperature range -18°C to +232°C.

Part Number	Container Size	Units per Case
3038	284a	12





FOOD GRADE CHAIN LUBE





A special blend of synthetic lubricants and mineral oil, designed to keep roller drive and conveyor chains lubricated. It is specifically designed to provide the convenience of aerosol application where incidental food contact may occur. Food Grade Chain Lube penetrates, lubricates and protects moving parts by reducing friction and wear.

3055

3054

Application: Conveyor chains, packaging equipment, hoist chains, link and roller assemblies, forklift trucks and many other industrial applications.

Features and Benefits:

- Non-drying film effectively lubricates metal surfaces.
- Formula contains anti-wear properties to extend chain life.
- Foaming action penetrates chain bushings and pins, and provides maximum adhesion.

Part Number	Container Size	Units per Case
3055	340a	12





FOOD GRADE SYNTHA-TECH LUBRICANT





A non-flammable unique blend of synthetic lubricants that utilises PTFE, anti-wear and extreme pressure additives to increase equipment life and performance. Its long lasting film minimises surface contact thereby extending lubricating

Application: Bearings, gears, linkages, motors, chains, cables, rollers, guide bars, pulleys, cams, valves, ball joints, hinges, slides, cutting tools, taps, dies, pistons, handling equipment, conveyors, hoists, lifts, doors, fans, and processing equipment.

Features and Benefits:

- Unique blend of synthetic lubricants utilises PTFE, anti-wear and extreme pressure additives.
- Non-flammable.
- Zero VOC formula.
- · Long lasting film minimises surface contact thereby extending lubricating intervals.

Part Number	Container Size	Units per Case
3054	312a	12







FOOD GRADE WATER BASED SILICONE

3035





A non-flammable, NSF H1 registered multi-purpose silicone spray for food processing and handling applications. It forms a white emulsion that is odourless and non-staining, and lubricates in most metal-to-metal applications. It is a silicone rich formula that eliminates binding and sticking, while protecting most surfaces.

Application: Food processing & handling equipment, chutes, guides, rails, conveyors, bottling machinery, slicers, ovens, freezers, knives, saws, linkages, locks, pulleys, timers, rubber seals, tools, & ceramic insulators.

Features and Benefits:

- Non-hardening film minimises corrosion and provides excellent lubricity.
- Reduces galling and friction.
- Harmless to most rubbers and plastics.
- Working temperature range -20°C to +200°C.

Part Number	Container Size	Units per Case
3035	369g	12





FOOD GRADE SILICONE MOLD RELEASE







Contains the same high quality ingredients as General Purpose Silicone, except it is formulated to be used for light-duty applications where post-mold painting is not required. This product has a light duty silicone content (3%) and is a rapid dry, anti-stick mold release agent suitable for cold and hot molds.

Application: Injection and compression molding of ABS, acetyl, acrylic, Noryl®, nylon, polycarbonate, polystyrene, polysulfone, and wax. Also for use in blow molding, extruders, foundries and investment castings.

Features and Benefits:

- Prevents sticking to increase the life of dies and molds, improve product surface finishes and reduce production times.
- Rapid dry, anti-stick agent suitable for cold and hot molds.
- Colourless, odourless, non-staining, non-corrosive.
- Does not contain CFCs, ODPs or chlorinated solvents.

Part Number	Container Size	Units per Case
3301	326g	12







FOOD GRADE DI-ELECTRIC GREASE

3082





Seals, lubricates, water-proofs and insulates electrical connections with a thin, non-curing silicone compound that helps maintain electrical performance by reducing line sag, arcing, voltage drops and problems caused by adverse weatherconditions. It also provides an exceptional lubricant for fasteners used to support temporary electrical work. It improves electrical performance during adverse conditions and temperature extremes.

Application: Electrical panels, outdoor lighting, score-boards, traffic lights, high voltage poles, transformers, disconnects, switching mechanisms, electrical contacts, spark plugs, battery terminals, fasteners, o-rings, rubber and plastic parts.

Features and Benefits:

- Seals, lubricates, protects, insulates and waterproofs.
- Temperature resistant. Maintains performance level year round. Will not harden, freeze, dry or melt due to temperature fluctuations.
- Rubber and Plastic Safe. Will not degrade seals, gaskets or plastic insulators.

Part Number	Container Size	Units per Case
3082	284g	12



FOOD GRADE LUBRICANT AND SEALANT

3085



NSE HI

Seals, lubricates, waterproofs and insulates with a thin, non-curing silicone compound. It also provides an exceptional lubricant for fasteners used to support temporary electrical work. Food Grade Lubricant and Sealant is excellent for lubricating and sealing rubber and plastic parts – including o-rings. Great for use in food processing environments where there may be a chance of incidental food contact.

Application: Gaskets, transfer belts, conveyor belts, motors, plant machinery and handling equipment, rubber moldings, high temperature, low load, or high rpm slides, rollers, wheels, gears, chains & hoists.

Features and Benefits:

- Seals, lubricates, protects, insulates and waterproofs.
- Temperature resistant. Maintains performance level year round. Will not harden, freeze, dry or melt due to temperature fluctuations.
- Rubber and plastic safe. Will not degrade seals, gaskets or plastic insulators.

Part Number	Container Size	Units per Case
3085	94g	12





FOOD GRADE MACHINE OIL

3081





An extremely efficient and effective general purpose nonsilicone lubricant for use on all food processing equipment. Food Grade Machine Oil penetrates and loosens rust, scale, dirt and corrosion to free parts and fasteners on food processing equipment. The highly refined white mineral oil is colourless, odourless and tasteless to meet NSF and FDA standards.

Application: Food processing equipment directly exposed to food products including scales, fans, carts, galleys, bottlers, chutes, conveyors, racks, ovens, stoves, fillers, mixers, freezers, rails and cooking appliances.

Features and Benefits:

- Contains no silicone.
- Will not harm wood, metal, plastic or painted surfaces.
- Working temparature range 0°C to 149°C
- 360° valve.

Part Number	Container Size	Units per Case
3081	312g	12







FOOD GRADE ANTI-SEIZE COMPOUND







A premium quality Food Grade Anti-Seize Compound developed specifically for use in applications where incidental food contact is possible, and is composed entirely of ingredients that meet NSF H1 requirements. This aluminium complex based Food Grade Anti-Seize Compound protects metal parts from seizure, galling, rust, corrosion and heat freeze by tenaciously adhering to the metal surface.

Application: Food processing machinery to lubricate fittings, bushings, flanges, headers, nuts, screws, studs, threaded surfaces, pipes, plugs, and manifolds to prevent seizing and galling of surfaces.

Features and Benefits:

- Odourless, tasteless, non-staining.
- Resists rust and oxidation.
- Wide temperature range -53°C to +982°C.
- Convenient brush-top.

Part Number	Container Size	Units per Case
\$135906	227a	12





FOOD GRADE MULTI-PURPOSE GREASE

SL35600





An NLGI Grade 2 aluminium complex-based superior Multi-Purpose Grease for food processing and handling. It will not pound out bearings and bushings during shock loads, and contains excellent water resistance, and rust and corrosion protection. A superior extreme pressure additive package provides a Timken rating of 40lbs.

Application: Anywhere lubrication is needed where it may come in contact with food, bottling machinery, breweries, canneries, carton/packaging equipment, dairies, food processing & handling equipment, meat processing plants, seamers at high speeds & pressure.

Features and Benefits:

- Wide temperature range -35°C to +150°C.
- Timken OK load of 40lbs.

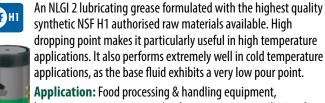
Part Number	Container Size	Units per Case
SL35600	397a	10



FOOD GRADE SYNTHETIC GREASE

SL35610





breweries, canneries, carton/packaging equipment, dairies, & meat processing plants.

Features and Benefits:

- Water wash-down resistant.
- Resists rust and oxidation.
- Wide temperature range -40°C to +200°C.

Part Number	Container Size	Units per Case
SL35610	397g	10



FOOD GRADE BELT DRESSING

3065



NSE HI

Provides a temporary, food grade, synthetic treatment for worn belts. Extends belt life by reducing slippage, hardening, glazing, dirt build-up and friction. Food Grade Belt Dressing can be used on leather, rubber, canvas or fabric, and is ideally suited for use on flat, round and single V belts. Improves traction and reduces belt tension, relieving stress on motors, shafts and wheels.

Application: Industrial machinery, conveyor systems, portable motorized equipment and vehicle belts.

Features and Benefits:

- Tacky, non-drying, water resistant film minimises belt
- Colourless will not stain finished goods transported on conveyor systems.

Part Number	Container Size	Units per Case
3065	284a	12





HOW TO REMOVE LUBRICANTS

N	CRO Clean BEFORE B: Only use NSF Clasified Cleaners	NSF	QD Contact Cleaner	Contact Cleaner 2000	CO Contact Cleaner	Cable Cleaner	Natural Degreaser	Hydro-force Industrial strength degreaser	Hydro-force All Purpose Degreaser	Lectra Clean	T Force Degreaser	CRC Lectra Clean II	Smartwasher SW 423 Mobile Washer Start up Kit
"	in Food Processing Plants	(NSF.)	2130	2140	2016	2064	14005	14414	14406	2018	3115	2120	14740
CODES	FOOD GRADE H1 LUBRICANTS		K2	K2	K2	K 1	C 1	C 1	C 1	K2	K 1	K1, K2	A1
Aerosols													
3038	Food Grade White Grease	H1				$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$			$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$
3040	Food Grade Silicone	H1						$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$				$\overline{\mathbf{A}}$
3054	Syntha Tech Lubricant	H1				V	V	$\overline{\mathbf{V}}$	V	V	V	V	$\overline{\mathbf{V}}$
3055	Food Grade Chain Lube	H1	V	V	V	V	$\overline{\mathbf{V}}$				V	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$
3065	Food Grade Belt Dressing	H1				$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$						
3081	Food Grade Machine oil	H1	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$				$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$
3085	Food Grade Lubricant and Sealant	H1	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$			$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$
3086	Food Grade Penetrating Oil	H1	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$				$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$
SL35600	Food Grade Multipurpose Grease (cartridge)	H1				$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$			$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\checkmark}$
SL35906	Food Grade Anti Sieze	H1								$\overline{\mathbf{V}}$	V	$\overline{\mathbf{V}}$	V
Food Grad	e Bulk												
4206	Food Grade Synthetic Compressor Oil ISO 68	H1	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$						V
4212	Food Grade Synthetic Hydraulic Oil ISO 56	H1	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	V	$\overline{\mathbf{V}}$						V
4218	Food Grade Multipurpose Oil	H1	<u></u>		$\overline{\mathbf{V}}$								
4232	Food Grade Synthetic Gear Oil ISO 220	H1	<u></u>	<u></u>	<u></u>	<u></u>							
4246	Food Grade Gear Oil SAE 220	H1	✓	✓	✓	✓	<u></u>						<u></u>
4246	Food Grade Gear Oil SAE 90	H1	✓	✓	✓	<u></u>							
4258	Food Grade Air Tool Oil	H1	✓	✓	✓	<u></u>	<u></u>						
4261	Food Grade Proofer Chain Lube	H1	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\square}$	$\overline{\mathbf{V}}$				$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$	$\overline{\square}$
4269	Food Grade Chain Lube	H1				<u></u>	<u></u>			✓			
SL35605	Multi Purpose Food Grade Grease	H1				$\overline{\mathbf{V}}$				$\overline{\mathbf{V}}$	$\overline{\mathbf{V}}$		$\overline{\square}$
SL35611	Synthetic Food Grade Grease	H1								$\overline{\square}$			
4590	Pan Divider Oil Direct Food Contact ISO	3H	V	V	$\overline{\mathbf{V}}$		<u></u>			✓			<u></u>
4592	15 Direct Food Contact White Oil ISO 22	3H			V					✓		$\overline{\mathbf{V}}$	
4594	Direct Food Contact White Oil ISO 46	3H										$\overline{\mathbf{A}}$	
4596	Direct Food Contact White Oil ISO 100	3H										$\overline{\mathbf{A}}$	

NSF 3H DIRECT FOOD CONTACT

DIRECT FOOD CONTACT PAN DIVIDER OIL

4590

ISO 15



An edible, colorless, tasteless, USP Grade NSF 3H, H1 registered

DIRECT FOOD CONTACT WHITE OIL ISO 22

oil. Complies with FDA CFR 172.878 3H.

DIRECT FOOD CONTACT WHITE OIL ISO 100

4592

Units per Case



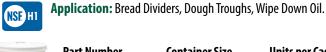
An edible, colorless, tasteless, USP Grade NSF 3H, H1registered oil. Complies with FDA CFR 172.878 3H.



Application: Bread Dividers, Dough Troughs, Wipe Down Oil.

Container Size

18.9€



Container Size Units per Case Part Number 18.9l





Part Number

4592

DIRECT FOOD CONTACT WHITE OIL ISO 46







An edible, colorless, tasteless, USP Grade NSF 3H, H1registered oil. Complies with FDA CFR 172.878 3H.



Application: Bread Dividers, Dough Troughs, Wipe Down Oil.



Part Number	Container Size	Units per Case
4594	18.9 l	1



An edible, colorless, tasteless, USP Grade NSF 3H, H1registered oil. Complies with FDA CFR 172.878 3H.



Application: Bread Dividers, Dough Troughs, Wipe Down Oil.



Part Number	Container Size	Units per Case
4596	18.9ℓ	1



FOOD GRADE LUBRICANTS

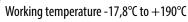


FOOD GRADE PROOFER CHAIN LUBE

4261



A USP grade white oil based chain lubricant designed for high humidity environments. This premium chain lubricant will not emulsify with water and provides excellent rust protection as well as excellent metal wear resistance.



Application: Proofer boxes, conveyor, roller ball bearings, pin and roller chains, slides, gears, and various other food processing equipment.

Part Number	Container Size	Units per Case
4261	18.9ℓ	1





FOOD GRADE SYNTHETIC HYDRAULIC OIL 4212 ISO 46





A fully synthetic fluid blended from premium polyalphaolefin (PAO) base oils with superior additives that meet the requirements for demanding industrial hydraulic systems within the food industry. This NSF H1 Registered premium food grade hydraulic fluid is designed as a multi-purpose oil to include a wide variety of industrial applications as well as hydraulic systems. Working temperature -45°C to +232°C

Application: Great for use in all types of food processing facilities. Hydraulic Systems, vacuum pumps, canning, bearings, valves, circulating oil.

Part Number	art Number Container Size	
4212	18.9ℓ	1



FOOD GRADE SYNTHETIC COMPRESSOR OIL 4202 ISO32





Formulated from the highest quality polyalphaolefin (PAO) base oils with a superior proprietary additive package to achieve long life. This long life compressor lubricant provides significantly improved wear, oxidation and lubricity over the currently available H1 food grade synthetic oils allowing the service life to increase by 50% to 100%. CRC Food Grade Synthetic Compressor Oils are primarily designed for rotary screw compressors and give a service life of 4,000 plus service hours in good operating conditions. Working temperature -45°C to +87°C

Application: Great for use in all types of food processing facilities, rotary screw compressors, rotary van compressors, reciprocating compressors, centrifugal compressors and vacuum pumps.

Part Number	Container Size	Units per Case
4202	18.9ℓ	1



FOOD GRADE SYNTHETIC HYDRAULIC OIL 4216 ISO 68





A fully synthetic fluid blended from premium polyalphaolefin (PAO) base oils with superior additives that meet the requirements for demanding industrial hydraulic systems within the food industry. Working temperature -45°C to \pm 232°C

Application: Great for use in all types of food processing facilities. Hydraulic Systems, vacuum pumps, canning, bearings, valves, circulating oil.

Part Number	Container Size	Units per Case
4216	18.9ℓ	1



FOOD GRADE SYNTHETIC GEAR & CHAIN OIL







A fully synthetic food grade gear oil that is formulated from premium polyalphaolefins (PAO) base fluids. This NSF H1 Registered food grade gear oil is engineered to provide superior lubrication protection and include an extra additive to improve gasket & seal characteristics. Working temperature -37°C to +232°C

Application: Great for use in all types of food processing facilities. Gear Sets, bearings, worm gears, chains, & circulating oil.

Part Number	Container Size	Units per Case
4232	18.9ℓ	1



FOOD GRADE AIR TOOL OIL

4258





A fully synthetic food grade oil that is formulated with the highest quality polyalphaolefin (PAO) base oil to meet the lubrication requirements of air line equipment. This NSF H1 Registered lubricant is formulated with high performance antioxidants and anti-wear additives to meet the challenges of industrial environments. This product provides lubrication for all air line equipment used in food processing plants. Working temperature -140°C to +120°C

Application: Air tools, air operated processing equipment, air operated packaging equipment, air operated knives, saws, and various other food processing equipment.

Part Number	Container Size	Units per Case
4258	18.9ℓ	1



FOOD GRADE MULTI-PURPOSE GREASE SL35605



An aluminium complex premium grade USDA H1 grease for use in food production and processing industries. This NLGI Grade 2 multi-purpose lubricant is white in colour and has a smooth buttery texture. Working temperature -34°C to +148°C



Application: Anywhere lubrication is needed where it may come in contact with food, bottling machinery, breweries, canneries, carton/packaging equipment, dairies, food processing & handling equipment, meat processing plants, seamers at high speeds and pressure. Timken OK Load [Lbs.] 40 Lbs; 4 Ball EP 500 Kg Weld; 4 Ball Wear 0.6 mm typical; Water Washout 5.

Part Number	Container Size	Units per Case		
SL35605	18.9ℓ	1		



FOOD GRADE GEAR OIL SAE 90

4246



Formulated with USP grade white oils. This NSF H1 Registered food grade gear oil is engineered to provide superior lubrication protection where food contact may occur.



Working temperature -9°C to +190°C

Application: Great for use in all types of food processing facilities. Gear sets, bearings, pumps, and chain applications.

Part Number	Container Size	Units per Case		
4246	18.9₽	1		



FOOD GRADE CHAIN LUBE

4269

14083





Blend of synthetic lubricants and mineral oil to keep roller drive and conveyor chains lubricated. The unique formula will penetrate, lubricate and protect moving parts by reducing friction and wear that causes metal fatigue. Regular use of Food Grade Chain Lube will help inhibit corrosion, reduce load stress, greatly extend chain life and its silicone free. Working temperature -13°C to +162°C

Application: Recommended for use as a lubricant and corrosion inhibitor on conveyor chains, packaging equipment, hoist chains, link and roller assemblies, forklift trucks and many other industrial applications.

Part Number		Container Size	Units per Case
	4269	18.9ℓ	1





FOOD EQUIPMENT MATERIALS

FOOD ZONE SILICONE SEALANT (Clear)



NSF Certified for Food Zone sealing, bonding, protecting and waterproofing applications. Clear formulation is designed for high moisture, indoor/outdoor applications.



Application: Sealing, bonding, protection & waterproofing in tanks, pipes, electrical, construction, metal working, for filling gaps between mating parts, gearboxes, pumps, motors & or general gasket sealing.

Part Number	Container Size	Units per Case
14083	300g	12
44		

FOOD ZONE SILICONE SEALANT (White) 14082



NSF Certified for Food Zone sealing, bonding, protecting and waterproofing applications. White formulation is designed for high moisture, indoor/outdoor applications.



Application: Sealing, bonding, protection & waterproofing in tanks, pipes, electrical, construction, metal working, for filling gaps between mating parts, gearboxes, pumps, motors & or general gasket sealing.

Part Number	Container Size	Units per Case
14082	300g	12



FOOD GRADE BULK TECHNICAL INFORMATION

Code	Description	NSF NSF.	Pail Size	Pour point	Working temperature	Flash point	Safe on most plastics	ISO viscosity	SAE Grade	Specific gravity	Kosher/ Halal certified	Allergen certificate available
4202	Food Grade Synthetic Compressor Oil ISO 32/46	\ /	18.9Lts	-50°C	-45°C to 88°C	261°C	$\overline{\checkmark}$	32/46	20 Engine	0,85		V
4212	Food Grade Synthetic Hydraulic Oil ISO 46	H1	18.9Lts	-48°C	-45°C to 232°C	260°C	V	46	20	0,83	V	I
4216	Food Grade Synthetic Hydraulic Oil ISO 68	H1	18.9Lts	-48°C	-45.5°C to 232°C	260°C	V	68	20	0,84	$\overline{\checkmark}$	$\overline{\checkmark}$
4232	Food Grade Synthetic Gear & chain Oil ISO 220	H1	18.9Lts	-42°C	-37.7°C to 232°C	262℃	V	220	50	0,85	V	V
4246	Food Grade Gear Oil SAE 90	H1	18.9Lts	-10°C	-9°C to 190°C	190°C	V	150/220	90	0,88	V	V
4258	Food Grade Air Tool Oil	H1	18.9Lts	-50°C	-40°C to 120°C	190°C	V	32	32	0,83	V	V
4261	Food Grade Proofer Chain Lube	H1	18.9Lts	-15°C	-17°C to 190°C	188℃	V	Viscosity @ 40°C 100	White grade oil	0,87	V	V
4269	Food Grade Chain Lube, 5 Gal	H1	18.9Lts	N/A	-13°C to 163°C	>188°C	\checkmark	N/A	Synthetic and mineral oil	0,874	$\overline{\checkmark}$	$\overline{\checkmark}$
SL35605	Food Grade Multi- Purpose Grease	H1	15.87kgs	Drop Point 269°C Pour point (-17°C)	-34°C to 149°C	221°C	V	68	NLGI Grade 2	0.89 at 15.5°C	×	V
SL35611	Food Grade Synthetic Grease	Н1	15.87Kgs	Drop point 343°C Pour point (-53C)	-29C to 177C	226°C	V	135	NLGI Grade 3	0,84	×	V
4590	Direct Food Contact Pan Divider Oil	3H, H1	18.9Lts	-18C		182.1°C		Viscosity @ 40°C 15		0,85	V	V
4592	Direct Food Contact White Oil ISO 22	3H, H1	18.9Lts	-27.8C		182.1℃		Viscosity @ 40°C 20	Purified mineral oil that are edible	0,85	V	V
4594	Direct Food Contact White Oil ISO 46	3H, H1	18.9Lts	-26.1C		210°C		Viscosity @ 40°C 46	colourless, odourless and tasteless	0,85	V	V
4596	Direct Food Contact White Oil ISO 100	3H, H1	18.9Lts	-24.46C		263.21℃		Viscosity @ 40°C 105		0,85	V	V



2-26 MULTI-PURPOSE LUBRICANT





Plastic safe lubricant, penetrant and corrosion inhibitor that helps prevent electrical malfunctions caused by water penetration, humidity, condensation or corrosion. Restores resistance values and helps stop current leakage.



Application:

Connectors, relays, circuit breakers, transformers, switchgear, motors, generators, controls, instruments, communication assemblies, electronics, alarm systems, starters, tubing, castings, gears, weld rod, wire, fixtures, dies, jigs, shim stock, chucks.

-				
Part Number	Container Size	Units per Case		
92005	312g	12		
4 4				

3-36 MULTI-PURPOSE TECHNICAL GRADE



Plastic safe lubricant, penetrant & corrosion inhibitor that helps prevent electrical malfunctions caused by water penetration, humidity, condensation or corrosion. Restores resistance values & helps stop current leakage.



Application:

Connectors, relays, circuit breakers, transformers, switchgear, motors, generators, controls, instruments, communication assemblies, electronics, alarm systems, starters, tubing, castings, gear, weld rod, wire, etc.

Part Number	Container Size	Units per Case
92088	312g	12











DRY PTFE LUBE



Multi-purpose, micro-thin film lubricant containing PTFE that penetrates and bonds to most surfaces including metal, wood, rubber, plastic and glass. Prevents sticking, reducing friction and wear, while sealing out moisture.



Application:

Hinges, locks, catches, pulleys, conveyors, machine parts, chutes & slides, coin mechanisms, window guides, drawers, rollers, control buttons, switches, electrical wires and harnesses.

Part Number	Container Size	Units per Case
3044	284g	12











3-36 MULTI-PURPOSE LUBRICANT & **CORROSION INHIBITOR**

Multi-purpose lubricant, penetrant and corrosion inhibitor. Forms a clear, thin film that lubricates, prevents corrosion, displaces moisture, penetrates and cleans.



Application:

Tubing, castings, gears, weld rod, wire, fixtures, dies, jigs, shim stock, chucks, drill rod, heat treated parts, machined surfaces, finished welds, aluminium extrusions, air actuated tools, conveyors, frozen joints, locks, hoists, etc.

Part Number	Container Size	Units per Case
3005	312g	12









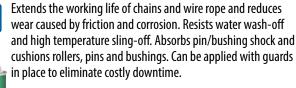


CHAIN & WIRE ROPE LUBRICANT

3050

3005







Application:

Low speed conveyor, drive chains, hoists, winches, pulleys, cushion pins, rollers, garage doors, bushings, seals, o-rings, and come-alongs.

3			
Part Number	Container Size	Units per Case	
3050	284a	12	







DI-ELECTRIC GREASE

2085 3082



3044

Non-curing silicone compound used for electrical sealing, lubricating, protecting and insulating. Waterproofs electrical connections and components. Improves electrical performance in adverse weather conditions.

Application:

Electrical panels, outdoor lighting, scoreboards, traffic lights, high voltage poles, transformers, disconnects, switching mechanisms, electrical contacts, spark plugs, battery terminals, fasteners, o-rings, rubber and plastic parts.

=				
Part Number	Container Size	Units per Case		
2085	Silicone paste - 350g	12		
3082	Aerosol - 284g	12		













TAC 2® ADHESIVE CHAIN LUBRICANT

3076

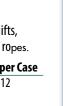


An exceptional lubricant, with a tough adhesive quality which will bond to chain/wear surfaces to keep them in peak operating condition by reducing friction and wear that cause metal fatigue.

Application:

Drive chains, open gears, hoists, winches, pulleys, fork lifts, rollers, garage doors, bushings, seals, o-rings, and wire ropes.

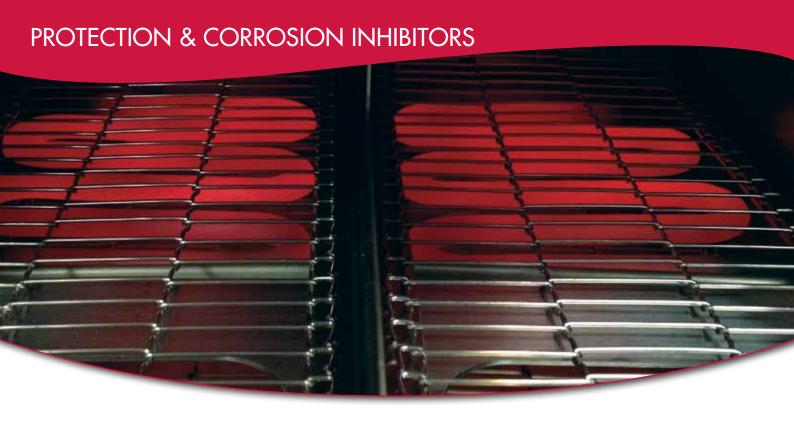
Part Number	Container Size	Units per Case
3076	284g	12





HOW TO REMOVE LUBRICANTS

	CROCLEAN BEFORE Ally use NSF Clasified Cleaners Food Processing Plants	nsf NSF.	QD Contact Cleaner	Contact Cleaner 2000	CO Contact Cleaner	Cable Cleaner	Natural Degreaser	Hydro-force Industrial strength degreaser	Hydro-force All Purpose Degreaser	Rectra Clean	T Force Degreaser	CRC Lectra Clean II	Isopropyl Alcohol Precision Cleaner	Smartwasher SW 423 Mobile Washer Start up Kit
CODES	LUBRICANTS		K2	К2	К2	K1	C 1	C 1	C 1	K2	K1	K1, K2	K2	
92005	2-26 Multi-Purpose Lubricant	H2	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	V	\checkmark	$\overline{\checkmark}$	V	V	V
3005	3-36 Multi-Purpose Lubricant & Corrosion Inhibitor	H2	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	\checkmark	\checkmark	$\overline{\checkmark}$	V	V	V
92088	3-36 Multi-Purpose Technical Grade	H2	$\overline{\checkmark}$	V	\checkmark	\checkmark	V	V	V	V	V	V	V	V
3050	Chain & Wire Rope Lubricant	H1	$\overline{\checkmark}$	\checkmark	\checkmark	\checkmark	\checkmark						V	V
3044	Dry PTFE Lube	H2											V	
2085	Di-Electric Grease (Silicone paste)	H1	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$			\checkmark	$\overline{\checkmark}$			V
3082	Di-Electric Grease (Aerosol)	H1	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$	$\overline{\checkmark}$			$\overline{\checkmark}$	V			V
3082	Knock'er Loose	H2	V	V										V



KNOCK'ER LOOSE

3020

An industrial strength, low viscosity super penetrant designed to quickly loosen and free seized, bound or frozen fasteners. Quickly permeates rust, scale, gum, grease and corrosion on nuts and bolts, pins, screws, bushings, clips, hinges, snaps, lugs, caps, locks, washers and sliding mechanisms.



Nuts and bolts, pins, screws, bushings, clips, hinges, snaps, lugs, caps, locks, washers and sliding mechanisms.

Part Number	Container Size	Units per Case		
3020	369g	12		













KNOCK'ER LOOSE PLUS PENETRATING **SOLVENT**

3027





A unique penetrant that immediately drops the temperature of the area in contact with the spray. The freeze shock action cracks rusted surfaces allowing it to reach deeper and work more effectively than other penetrants.

Application:

Nuts and bolts, pins, screws, bushings, clips, hinges, snaps, lugs, caps, locks, washers and sliding mechanisms.

Part Number	Container Size	Units per Case			
3027	326g	12			













STEEL RE-NU 18211



A coating containing 316L stainless steel pigment to provide corrosion resistance and protection against sunlight, oil and water. Authorised for use in food processing plants.

Application:



On threads, exposed edges, fasteners, conduit, strapping, welds, fencing, railings, grates, electrical poles, breaker panel housings, rain spouts, signs, doors, trailers, waste containers, catwalks and guard rails.

Part Number	Container Size	Units per Case
18211	369a	12









SP-350 & SP-400: CORROSION **INHIBITOR**

3262 3282





Medium-term corrosion inhibitor for machined surfaces and assemblies subjected to long periods of storage or adverse shipping conditions. It is an easily removable film that will provide protection of all equipment subject to heat humidity, chemicals and severely corrosive atmospheres. Medium-term protection for all metals during shipment or extended storage.

Application:



	Part Number	Container Size	Units per Case
	3262 - SP-350	312g	12
	3282 - SP-400	284g	12
1			





OD CONTACT CLEANER

2130

Plastic safe, guick drying and leaves no residue. Ideal for applications where lower flashpoint solvents can be used. Flammable, quick drying, complete evaporation.



Application:

Telephones, PCs, relays, edge connectors, tape heads, bus bars, circuits, contacts, printed circuit boards, switches & breakers.

Part Number	Container Size	Units per Case
2130	312g	12
KB PP		

CO CONTACT CLEANER

2016



Formula contains no known ozone depleting substances or VOCs. The non-chlorinated, non-flammable, plastic safe formula is an optimal alternative to CFC, HCFC and flammable contact cleaners.



Application:

Electrical connectors, printed circuit boards, relays, switches, scales, timersand other electrical & electronic equipment.

Part Number	Container Size	Units per Case
2016	398g	12
KB Pp		















CONTACT CLEANER 2000

2140



Non-flammable precision cleaner which rapidly and completely evaporates and assists with thermal stability. It also removes light contaminants, atmospheric oils, dust and lint from precision electrical and electronic equipment. Non-flammable, safe on most plastics, complete evaporation.

Contacts, circuit breakers, switches, relays, meters, light bulb sockets, control systems and coils where lubricating & corrosion protection is required.

Part Number	Container Size	Units per Case
2140	369g	12



















ISOPROPYL ALCOHOL PRECISION CLEANER

3201





A guick drying light-duty precision cleaner for use in industrial, electrical, electronic and aviation applications. Its 99% pure formula aggressively dissolves grease, dust, dirt, lint, oils and flux from most non-plastic surfaces. Recommended for light duty cleaning and degreasing.

Application:



Removal of dirt, adhesives, silicones, anti-oxidation compounds and other contaminants from the semi-conductive cores of high voltage cables when splicing and terminating cables.

Part Number	Container Size	Units per Case
3201	340g	12

















LECTRA CLEAN

2018 2020



Quickly and effectively removes grease, oil, tar, dirt, grime corrosion, sludge and other stubborn substances to increase operating efficiency of electric motors and equipment. It offers quick and effective degreasing action, fast evaporation and leaves no residue.



Application:

Energised electrical cleaner.

Part Number	Container Size	Units per Case
2018	539q	12
2020	3.8ℓ	4
KB 95		

LECTRA CLEAN II LOW VOC

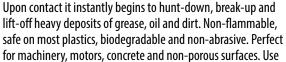
2120











caution on soft metals and painted surfaces.



Application:

Electric motors, fusible disconnects, switch-gears, transformers, circuits, insulators, relays, switches, air tools, mechanical brakes, clutches, chains, bearings, generators, compressors, pumps, tools, dies, molds and many other electrical/industrial equipment.

ļ	Part Number	Container Size	Units per Case
	2120	425g	12
	2121	425g 18.9€	1
	KB ALL		











HYDRO-FORCE INDUSTRIAL STRENGTH DEGREASER

14414 14416 14417



Upon contact instantly begins to hunt-down, break-up and lift-off heavy deposits of grease, oil and dirt. Non-flammable, safe on most plastics, biodegradable and non-abrasive. Perfect for machinery, motors, concrete and non-porous surfaces. Use caution on soft metals and painted surfaces.



Application:

Tools, grills, tyres, engines, drives, motors, shop equipment, lawn equipment, fabric, floors, appliances, vents, tubs, sinks, showers, plastic, fibreglass, canvas, vinyl, pressure washers, vehicle washing, walls, chrome, stainless steel, polished metals,

Part Number	Container Size	Units per Case
14414	510g	12
14416	3.8ℓ	4
14417	18.9ℓ	1
PH 13 15		

NATURAL DEGREASER

14005

12



A blend of natural citrus and organic solvents that effectively clean and degrease. Leaves no sticky residue.



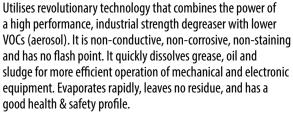
Application:

Air tools, mechanical brakes, clutches, chains, wire ropes, motors, dies, molds, parts, bearings, generators and **Units per Case**

er	compressors.	
	Part Number	Container S
_	14005	454g
	KB >200	6

T-FORCE DEGREASER







Application:

Air tools, mechanical breaks, clutches, chains, wire ropes, motors, dies, molds, parts, bearings, generators and compressors.

Part Number	Container Size	Units per Case
3115	510g	12
KB 97	4 & +	



LEAK DETECTOR 14503



Formulated for the quick detection of gas and air leaks. The water based formula contains no oils, silicones or harmful solvents. Quickly and reliably locates gas leaks and pressure losses in pipes and pressurised systems by forming highly visible bubbles when applied over any leak.



Application:

Refrigeration units, air conditioning systems, exhausts, pipes, valves, screw connectors, welding seams and compressors.

	=	•
Part Number	Container Size	Units per Case
14503	510g	12

INDUSTRIAL ADHESIVE REMOVER

3250



A low VOC, industrial strength adhesive remover specially formulated for quick removal of adhesives. Specially formulated to remove adhesive labels from many substrates.

Application:

Removing labelling from machinery, removing tar from equipment, softening liquid adhesive and adhesive tape residue.

Part Number	Container Size	Units per Case
3250	425g	12
0 4		

PREMOISTENED, HEAVY DUTY TOWELS

HAND CLEANER TOWELS

4100



Hand Cleaner Towels are powerful yet safe cleaning agents work together with an absorbent, nonscratching abrasive hand cleaning towel. The result is hands that are clean, with a pleasant fragrance.

Application:

Lubricants, tar, sealants, heavy grease, oils, wax, paint, adhesives, ink, caulk, epoxy, and much more.

Part Number	Container Size	Units per Case
4100	72 towels	6











The SmartWasher® Bioremediating Parts Washing System



Code 14740

SW-423 Mobile Parts Washer Kit

(1x SW23 unit +3 Pails SW4 Fluid + 1x FL 4 Filter)



Ozzv. luice

OZZYJUICE°

OZZYJUICE is a powerful, aqueous based degreasing solution that is pH-neutral, non-irritating, non-flammable, and non-toxic. Armed with superior cleaning capability, the OZZYJUICE solutions will match or surpass the performance of a premium solvent without all the associated risks. All OZZYJUICE solutions are certified by both NSF and AQMD.

THE OZZYMAT

The OZZYMAT traps particulate down to 50 microns in size but more importantly contains OZZYS (microbes). The OZZY microbes, impregnated in the OZZYMAT, are transported along with the OZZYJUICE into the SmartWasher® tank. These naturally occurring OZZY microbes eat the grease, oil, and other contaminants cleaned off the dirty parts and create the harmless by-products of carbon dioxide and water.

OZZY® MICROBES

The OZZY Microbes do their job eating the grease, oil and other contaminants, cleaning off the dirty parts, creating the harmless by-products of carbon dioxide and water, leaving the OZZYJUICE clean and strong and ready to use.



Ozzy Juice (Heavy Duty Degreaser Solution)

Code 14148

SW-4 Heavy Duty Solution (19 ℓ)



Ozzymat (Filter)

Code 14124

FL-4 Multi-layer filter (4 x filters)

Depending on usage, a pack lasts between 4 - 6 months)



OzzyBooster

Code 14131

A microbial enhancer that can be used to enhance or "boost" microbial activity in the SmartWasher® system — it increases the density of the Ozzy (microbes) within the OzzyJuice.



SmartWasher® Start-up Kit

Code 14741

SW-437 Mobile Heavy weight parts washer Kit (1x SW-37 unit +5 pails SW -4 Fluid + 1x FL Filter)



COMPARISON CHART		
Details	SW 23 Mobile parts washer	SW 37 mobile heavy- weight parts washer
Overall dimensions	109cm x 68.5cm x 107cm	122cm x 89cm x 114cm
Inside sink dimensions	68.5cm x 58cm x 20cm	84cm x 68.5cm x 20cm
Capacity	57 ℓ (3 units X 19 ℓ)	95 £ (5 units X 19 £)
Load Capacity	182 kg	454 kg
Parts Washer Structure	Heavy Duty HDPE	Heavy Duty HDPE
Controls	Toggle Switch	Toggle Switch
Pump Capacity	1 136 LPH	1 136 LPH
Adjustable Thermostat	40 °C to 46 °C	40 °C to 46 °C
Flow control timer	10 minutes	10 minutes
Certified	ETL(UL/CSA), CE, NSF	ETL(UL/CSA), CE, NSF
NSF	A1	A1



HYDRO-FORCE GLASS CLEANER

14412

Units per Case

14424



Cuts through dirt, dust, fingerprints and haze deposits. Provides streak-free glass cleaning even on delicate glass surfaces Biodegradable, ready to use.



Application:

ss, mirrors.

o _r	Gla











HYDRO-FORCE ALL PURPOSE DEGREASER



Instantly begins to hunt-down, break-up and lift-off heavy deposits of grease, oil and dirt. Non-flammable, safe on most plastics, biodegradable and non-abrasive..



Application:

Tools, grills, tires, engines, drives, motors, shop equip, lawn equip, fabric, floors, appliances, vents, tubs, sinks, showers, plastic, fiberglass, canvas, vinyl, pressure washers, vehicle washing, walls, chrome, stainless steel, polished metals, glass

Part Number	Container Size	Units per Case
14406	510g	12

HYDRO-FORCE STAINLESS STEEL CLEANER



14406

Exclusive ultra-shine formula eliminates dirt, dust, fingerprints and watermarks. Leaves behind a protective, non-greasy barrier that resists the return of stains.



Application:

Aluminum, chrome, other shiny metal surfaces located in heavily industrial environments, stainless steel.

Part Number	Container Size	Units per Case
14424	510g	12









Each formula will not contain:

- Ozone depleting chemicals
- SARA reportable ingredients
- Any ingredients that are listed as carcinogens
- CA Proposition 65 ingredients
- Hazardous



Environmentally Preferred Products

Each formula will have a minimum of two of these criteria:

- No VOC or low VOC content
- Not classified as a hazardous waste
- Renewable resource
- Biodegradable
- Do not contain nonylphenol
- Do not contain phosphates
- Do not contain heavy metals



PRODUCT NAME INDEX

2-26 Multi-Purpose Lubricant	p22
3-36 Multi-Purpose Lubricant & Corrosion Inhibitor	p22
3-36 Multi-Purpose Technical Grade	p22
Chain & Wire Rope Lubricant	p22
CO Contact Cleaner	p25
Contact Cleaner 2000	p25
Di-Electric Grease (Aerosol)	p22
Di-Electric Grease (Silicone Paste)	p22
Direct Food Contact Pan Divider Oil ISO 15	p18
Direct Food Contact White Oil ISO 22	p18
Direct Food Contact White Oil ISO 46	p18
Direct Food Contact While Oil ISO 100	p18
Dry PTFE Lube	p22
Food Grade Air Tool Oil	p20
Food Grade Anti-Seize Compound	p16
Food Grade Belt Dressing	p16
Food Grade Chain Lube	p14
Food Grade Chain Lube (Bulk)	p20
Food Grade Di-Electric Grease	p15
Food Grade Gear Oil SAE 90	p20
Food Grade Lubricant and Sealant	p15
Food Grade Machine Oil	p16
Food Grade Multi-Purpose Grease	p16
Food Grade Multi-Purpose Grease (Bulk)	p20
Food Grade Penetrating Oil	p14
Food Grade Proofer Chain Lube	p19
Food Grade Silicone	p14
Food Grade Silicone Mold Release	p15
Food Grade Syntha-Tech Lubricant	p14
Food Grade Synthetic Compressor Oil	p19
Food Grade Synthetic Gear & Chain Oil	p20
Food Grade Synthetic Grease	p16
Food Grade Synthetic Hydraulic Oil ISO 48	p19
Food Grade Synthetic Hydraulic Oil ISO 68	p19
Food Grade Water Based Silicone	p15
Food Grade White Grease	p14
Food Zone Silicone Sealant (White)	p20
Food Zone Silicone Sealant (Clear)	p20

Hand Cleaner Towels	p27
Hydro-Force All Purpose Degreaser	р30
Hydro-Force Glass Cleaner	р30
Hydro-Force Industrial Strength Degreaser (510g)	p26
Hydro-Force Industrial Strength Degreaser (3.8 ℓ)	p26
Hydro-Force Industrial Strength Degreaser (18.9 ℓ)	p26
Hydro-Force Stainless Steel Cleaner	p30
Industrial Adhesive Remover	p27
Isopropyl Alcohol Precision Cleaner	p25
· · ·	
Knock'er Loose	p24
Knock'er Loose Plus Penetrating Solvent	p24
Leak Detector	p27
Lectra Clean (539g)	p26
Lectra Clean (3.8ℓ)	p26
Lectra Clean II Low VOC (425g)	p26
Lectra Clean II Low VOC (18.9ℓ)	p26
Natural Degreaser	p26
QD Contact Cleaner	p25
SmartWasher® Bioremediating Parts Washing System	p28
SP-350 Corrosion Inhibitor	p24
SP-400 Corrosion Inhibitor	p24
Steel Re-Nu	p24
Tac 2® Adhesive Chain Lubricant	p23
T-Force Degreaser	p26









CRC Industries RSA (Pty) Ltd

www.crcindustries.co.za





Business Development Officers:

Gauteng, Western Cape, North West, Northern Cape Rick Ellis +27 (0) 78 097 8028 - rick.ellis@crcind.com

Mpumalanga, Limpopo, Free State

Jacobus Booysen +27 (0) 72 949 6688 - aj.booysen@crcind.com

KwaZulu-Natal, Eastern Cape
Johnny Johnson +27 (0) 79 922 9494 - johnny.johnson@crcind.com

Managing Director:

Louis Munnick +27 (0) 82 968 4789 - louis.munnick@crcind.com