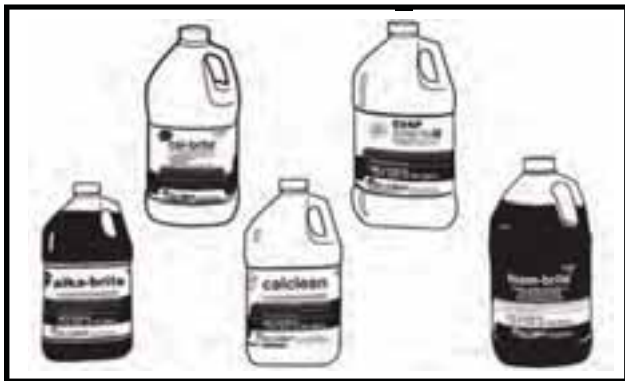


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**X-PAND**  
PRODUCTS COMPANY



**NK**  
NOMACO K-FLEX.

**M**  
MUELLER  
INDUSTRIES, INC.



HERCULES

**Nu-Calgon**  
Wholesaler, Inc.



**tyco**

**VentureTape**  
ISO 9001:2000 Certified

**BOSTIK FINDLEY**

**HIGHSIDE**  
CHEMICALS INC.

**FEDERAL PROCESS**  
CORPORATION



**LOCTITE**

**REFRIGERATION**  
TECHNOLOGIES

**Permabond**  
a National Starch & Chemical Company

*Wholesaler  
Distributors*



**AURORA**

**COUNTRYSIDE**

**ELK GROVE**

**WAUKEGAN**

**JOLIET**

**HAMMOND**

**MILWAUKEE**

**PEORIA**



## SWIF® 95 SOLDER PASTE

Lead-free 95/5 tin-antimony solder combined with highly effective flux in a stable paste form for brush-on applications. Fluxes, tins and solders in one easy money saving operation, minimizing application and prep time.

ILLCO #	HERCULES#	SIZE
5468068	10-215	1 LB.



## H<sub>2</sub>O FLUX™

Lead-free, non-acid paste flux applies easily across a variety of temperatures. Non-runny, active self-cleaning formula is ideal for soft solder applications. Enhances uniform solder flow. Penetrates oil film. Use on copper, brass, galvanized, tin, zinc and commonly soldered metals, except aluminum and some grades of stainless steel. Works with all soft solders.

ILLCO #	HERCULES#	SIZE
5468078	10-303	4 OZ.
5468080	10-307	12 OZ.



## TAPE DOPE®

An economical low density grade of polytetrafluoroethylene (PTFE) pipe joint tape for sealing threaded pipe, valves, fittings, accessories and controls including those made from steel, galvanized and black iron, brass, copper, aluminum, stainless steel, glass, synthetic rubber, and all plastics.

ILLCO #	HERCULES#	SIZE
5468112	15-124	1/2" X 500"
5468146	15-136	3/4" X 500"



## PIPE JOINT COMPOUND

Traditional formula pipe joint compound is LEAD-FREE. Non-setting formula. Makes leak-proof joints on metal pipes. For water, natural gas, steam, ammonia, dilute acids and alkalis. Approved for natural gas. Non-Toxic. Not for use on plastic threads.

ILLCO #	HERCULES#	SIZE
5468168	15-325	1/2 PT.
5468191	15-327	1 PT.



## PRO DOPE®

Pro Dope® is a LEAD-FREE, no-drip, no-spill pipe joint compound made for metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. Non-Toxic. No mixing, will not harden, absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Inhibits rust and corrosion. Wipes clean from hands. Approved for natural gas. Not for use on plastic threads.

ILLCO #	HERCULES#	SIZE
5468222	15-420	1/2 PT.
5468243	15-427	1 PT.
5468246	15-433	6 LB.



## GRRIP™ LITE

LEAD-FREE, All purpose leak proof, non-hardening, pipe joint and gasket seals. Semi-liquid; brushable; form tough, pliable film on joints, valves, flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural and LP gas, anti-freeze, refrigerants, lubricants, glycerin, solvents, brine and other gases, liquids and chemicals.

ILLCO #	HERCULES#	SIZE
5468265	15-555	1/2 PT.
5468287	15-560	1 PT.



## REAL-TUFF™

Real-Tuff™ is a LEAD-FREE multi-purpose heavy duty Teflon paste thread sealant. It's non-toxic, and non-separating. Withstands temperatures from -200° to +500°F, and pressures of 12,000 psi (hydraulic) and 2600 psi (gas). Positive leak-proof seal on all piping material and for all liquids and gases (except oxygen).

ILLCO #	HERCULES#	SIZE
5468319	15-620	1/2 PT.
5468333	15-625	1 PT.
5468340	15-632	1 QT.



## MEGALOC™

Multi-purpose thread sealant for use on metals including steel, stainless steel, brass, copper, aluminum, and on plastics including PVC, CPVC and ABS. Leak-free joints can be tested and put into service at once. Megaloc™ wipes clean from hands and tools with a dry rag, is odor-free, grit-free and will not separate or settle. Megaloc™ does not harden, crack or become brittle; joints can be disassembled without damage to pipe, fittings or threads years after the joint was made.

ILLCO #	HERCULES#	SIZE
5468345	15-806	1/2 PT.
5468346	15-808	1 PT.



## WHAM®

A multi-use, powerful, concentrated chemical emulsifier which liquifies and disperses grease, soap, detergents and other organic waste responsible for system failures. Biodegradable formula is non-acid/non-caustic and will not harm digestive bacteria. Safe to use in metal or PVC plastic plumbing. Non-corrosive to metal, enamel ware, ceramics and concrete. Makes cabling a drain line easier and cleans greasy solids from tools and many types of hard surfaces. Use regularly as a preventive treatment to keep drain lines, septic tanks, grease traps and waste systems at maximum efficiency.

ILLCO #	HERCULES#	SIZE
5468354	20-110	1 QT.



## CLOBBER®

Fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts ice, liquifies grease. Special inhibitors prevent corrosion of cast iron, copper, and steel piping. Child-resistant caps. Each jug packed in plastic bag. U.S.D.A listed.

ILLCO #	HERCULES#	SIZE
5468375	20-205	1 QT.
5468399	20-211	1/2 GAL.

**NOTE:** Clobber® is available to professionals only and is not available for retail sale.



## LIQUID GLUG®

Non-acid drain opener with clog specific formulation. When used as a maintenance treatment, prevents repetitive drain stoppages. Harmless to metal and plastic pipes, valves, and fittings.

ILLCO #	HERCULES#	AREA OF USE	SIZE
5468408	20-450	Bathroom	1 QT.
5468412	20-470	Kitchen	1 QT.



## R-D ROOT DESTROYER

Helps eliminate overflow damage, sewage flow restriction and back-up odors due to root penetration. Helps prevent sump and ejector pump root damage and motor overload from pumping into restricted line. Safe to use in lines leading to septic tanks, cesspools and dry wells when used as instructed. Will not destroy trees, shrubs, or other vegetation.

ILLCO #	HERCULES#	SIZE
5468421	20-602	2 LB.



## STA-PUT™ PUTTY

A plumbing sealing and caulking compound for setting plumbing fixtures, bowls, faucets, basin cocks, strainers, plugs, and sink frames. Will not stick to fingers or hands. Always the same smooth, uniform appearance from top to bottom of container with superior sealing qualities. Sta-put will not harden, crumble, crack or shrink. It is flexible and stretchable, spreads easily, and can be molded into rings or shaped to the precise configuration needed. It provides a gas proof, fume proof, odor proof, insect proof and watertight seal.

ILLCO #	HERCULES#	SIZE
5468430	25-101	14 OZ.
5468434	25-103	3 LB.
5468437	25-110	7 LB.



## PLASTIC SEAL™

Plastic Seal is a component polyurethane sealant that is crack-proof and shrink-proof. So it can also be used for repairs and caulking in the perimeters, exterior and interior of frame openings, expansion joints, and for glazing. Unlike many competing brands, Plastic Seal will not produce any noxious fumes while curing. And it adheres to cast iron, most other metals, masonry, concrete, glass, tile, vitreous china and porcelain. Plastic Seal is an all-purpose repair compound that professionals trust.

ILLCO #	HERCULES#	SIZE
5468442	25-215	10 OZ.



## ROOF SEALANT

Special bituminous composition provides superior adhesive properties even in severe weather conditions. Can be applied in all types of weather and becomes effective immediately, even on cold or wet surfaces. Withstands stress of dissimilar rates of expansion providing years of problem free life. Forms durable, flexible weatherproof coating around new and old flashings, cooling towers, skylights, downspouts, gutters, vents, chimneys, and general roof repairs. Adheres to concrete, tile, wood, metal, and all roofing and masonry materials. Can be easily applied with trowel or putty knife.

ILLCO #	HERCULES#	SIZE
5468446	25-403	10.3 OZ.
5468448	25-410	1 GAL.



## PLUMBERS CAULK™

Plumbers Caulk is a siliconized acrylic in three most popular types. Makes a flexible, durable, mildew-resistant, waterproof seal in tubs, showers, walls, windows and doors. For interior and exterior applications. Excellent adhesive and grout for ceramic, metal and plastic. Flows easily, does not harden in tube or cartridge. Lasts for years. Does not crumble, resists shrinkage. Unlike pure silicones, features easy clean-up with soap and water.

ILLCO #	HERCULES#	SIZE
5468456	25-605	6 OZ.



## BOILER LIQUID

Seals and repairs cracks or leaks in steam or hot water heating boilers. Prevents steam boiler surging and will not clog or coat submerged hot water heating coils, controls, vents or valves. Makes a strong, lasting repair on difficult leaks in steam boilers. Tough seal expands and contracts with heat, resists pressure, and is not affected by boiler cleaners. Will not cause priming or foaming.

ILLCO #	HERCULES#	SIZE
5468459	30-115	1 QT.



## BASE HIT II™

Seals and prevents leaks in ferrous and non-ferrous hydronic systems: baseboard, radiant, fin tube, mains, risers, convectors, fan/coil units, chillers, pavement de-icing systems and boilers. Scientific formulation combines the unique action of a sealant, stop-leak, and lubricant in a "one-shot" application. Silicone formulation serves as a lubricant, remedying most cases of squeaking pumps. Eliminates the risk of a small leak becoming larger.

ILLCO #	HERCULES#	SIZE
5468473	30-201	12 OZ.



## BOILER SOLDER

A free flowing powder that makes strong lasting repairs on difficult leaks in steam boilers. Easy-to-use, non-metallic powder finds the trouble spots and forms a tough seal which expands and contracts with heat, resists high pressure, and temperature, and is not affected by boiler cleaners. Will not clog the system or cause offensive odors. Petroleum-free. Can be used on all steam systems including those with rubber or plastic components. Will not interfere with normal boiler operation.

ILLCO #	HERCULES#	SIZE
5468484	30-310	1 LB.



## SCOUT™ BOILER CLEANER

A non-toxic, odorless boiler cleaner that stops priming and surging in minutes and helps to eliminate pipe hammering-gets boiler water crystal clear. Removes rust, scale, oil, foam and impurities without draining or flushing system. Scout filters down through the boiler water, removing impurities as it sinks to the bottom. This soft sediment remains on the bottom, insuring easy and complete draw-off, leaving boiler and water completely clean. Eliminates time-consuming boiler shutdowns because it works while the boiler is operating normally. Inhibits corrosion by purging highly corrosive nascent oxygen. Saves fuel.

ILLCO #	HERCULES#	SIZE
5468489	35-100	113 GRAMS



## BOILER AND HEATING SYSTEM CLEANER

Specifically formulated to clean and condition steam and hot water boilers and hydronic heating systems. Contains silicone which protects pumps by lubricating seals; frees and lubricates zone valves. Prevents clogging of hot water valves and other flow valves and helps stop priming and foaming with a special anti-foam agent. Safe and simple to use. Promotes maximum boiler efficiency and saves fuel. Removes oil, sludge, loose rust and scale and prevents corrosion. No draining or flushing is necessary unless system is very oily, rusty, or in unusually dirty condition.

ILLCO #	HERCULES#	SIZE
5468494	35-206	1 QT.



## CRYO-TEK™ -100 ANTI-FREEZE

A blend of virgin (not recycled) propylene glycol and specifically formulated corrosion inhibitors designed for use in hydronic heating and cooling closed loop piping systems (including radiant heating systems), most solar heating systems, and general plumbing systems. For use in systems fabricated with metal, plastics (except CPVC) and rubber piping, fittings, seals, and other parts. Corrosion inhibitors in Cryo-tek protect against corrosive build-ups within the piping loop and are effective with most metals including steel, aluminum (up to 160°F) and copper.

ILLCO #	HERCULES#	SIZE
5468498	35-281	1 GAL.
5468500	35-286	5 GAL.
5468502	35-287	55 GAL.
5468506	35-283	For Aluminum 5 GAL.
5468507	35-291	For Aluminum 55 GAL.



## CLEAR CUTTING OIL

Recommended for hand threading applications. A blend of high quality mineral oils with sulfur base. Meets exacting thread cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper.

ILLCO #	HERCULES#	SIZE
5468535	40-115	1 QT.
5468546	40-120	1 GAL.
5468557	40-125	5 GAL.



## DARK CUTTING OIL

For high speed machine threading requirements. A blend of high quality mineral oils with sulfur-lard base. Protects valuable dies and chasers. Enables operator to cut precision threads.

ILLCO #	HERCULES#	SIZE
5468568	40-215	1 QT.
5468579	40-220	1 GAL.
5468587	40-225	5 GAL.



## IRON IKE®

Dissolves rust and iron stains quickly, easily on practically anything. Wide range of uses on all kinds of materials and surfaces, metallic and non-metallic. Especially effective on water softeners, water heaters, toilets, tubs, tile, piping, stoves, tools and more.

ILLCO #	HERCULES#	SIZE
5468640	45-400	20 OZ.



## GRAY PVC CEMENT

Heavy Body. Slow Set. For PVC types I & II, Potable water, DWV and SW pipe and fittings up to 15" diameter, Schedule 40 and 80. NSF and UPC listed. Conforms to ASTM D2564.

ILLCO #	HERCULES#	SIZE
5468680	60-220	1 QT.



## CLEAR PVC CEMENT

Medium Body. Medium Set. For PVC types I & II, Potable water, DWV and SW pipe and fittings up to 6" diameter, Schedule 40 and 80. NSF and UPC listed. Conforms to ASTM D2564.

ILLCO #	HERCULES#	SIZE
5468685	60-013	1/2 PT.
5468696	60-015	1 PT.
5468707	60-020	1 QT.
5468708	60-025	1 GAL.



## BELOW ZERO PVC CEMENT

Regular Body. Fast Set. For PVC types I & II, Potable water, DWV and SW pipe and fittings up to 6" diameter, Schedule 40. Withstands temperatures down to -10°F (23°C). NSF and UPC listed. Conforms to ASTM D2564.

ILLCO #	HERCULES#	SIZE
5468708A	60-142	1/2 PT.
5468709	60-148	1 QT.



## WET SET PVC CEMENT

For PVC types I and II, potable water, DMV, and SW pipe and fittings up to 8" diameter. Schedules 40 and 80. NSF and UPC listed. Formulated for applications where conditions are very wet and/or when quick pressurization is imperative. Ideal for lawn sprinkler and swimming pool installations.

ILLCO #	HERCULES#	SIZE
5468709A	60-255	1 PT.



## PVC & CPVC CEMENT

For ASTM D1784, Class 23447B, CPVC potable water pipe and fittings up to 8" in diameter, all schedules. NSF and UPC listed. Conforms to ASTM F493.

ILLCO #	HERCULES#	SIZE
5468710	60-315	1 PT.



## PVC & CPVC PRIMER

Primer for PVC and CPVC pipe and fittings - All sizes and schedules except copper tube size CPVC. Recommended method to soften and prepare surfaces of PVC and CPVC before applying solvent cements.

ILLCO #	HERCULES#	SIZE
5468714	60-415	1 PT.



## PVC PRIMER (CLEAR)

Primer for PVC pipe and fittings - All sizes and schedules. Recommended method to soften and prepare surfaces of PVC before applying solvent cements.

ILLCO #	HERCULES#	SIZE
5468718	60-458	1/2 PT.
5468729	60-460	1 PT.
5468730	60-465	1 QT.
5468731	60-470	1 GAL.



## PVC PRIMER (PURPLE)

Primer for PVC pipe and fittings - All sizes and schedules. Recommended method to soften and prepare surfaces of PVC before applying solvent cements.

ILLCO #	HERCULES#	SIZE
5468740	60-490	1 QT.
5468742	60-495	1 GAL.



## JOHNI-RING® GASKET

Comes in All-Weather non-stick individually sealed package. Stainless, waterproof, impervious to vermin, odors, gases, acids. Bacteria free. Makes positive, permanent, sanitary closet bowl seal. Won't dry or deteriorate. Meets Fed. Spec. TT-P-1536A.

ILLCO #	HERCULES#	SIZE
5469210	90-210	-
5469220	90-220	With Horn
5469124	90-124	5/16 closet bolt
5469260	90-260	For urinals



## SPRAY ADHESIVE

Spray Adhesive is a fast-drying, all-purpose adhesive that provides a strong, water-resistant, flexible bond. It is translucent and does not penetrate or soak material causing bleed-through. Spray Adhesive is excellent for labeling, bonding, splicing and sealing paper, cardboard, cloth, rubber, styrofoam, canvas, leather, wood and most plastics.

ILLCO #	NU-CALGON #	SIZE
2310785	4080-04	Aerosol 11 OZ.



## NU-KILL® II WASP AND HORNET KILLER

A "quick-kill" spray formulation based upon synergized Bendiocarb. Effectively kills wasps, hornets, and yellow jackets. Provides for instant kill. Jet spray up to 20 feet. Safe around and in electrical equipment... has dielectric strength of 23,000 volts. Contains no fluorocarbons.

ILLCO #	NU-CALGON #	SIZE
2311698	4292-75	Aerosol 17 OZ.



## DEGREASING SOLVENT EF

A new degreasing solvent, one that is "environmentally friendly" in that it is ozone-safe. It is a volatile solvent that provides effective degreasing and cleaning as well as controlled drying with absolutely no residue. It has a dielectric strength in excess of 26,000 volts.

ILLCO #	NU-CALGON #	SIZE
2310855	4083-75	Aerosol 17 OZ.
2311315	4162-07	1 GAL.



## PIPE-DRI™

Aerosol insulation which provides a moisture barrier to stop sweating and dripping on refrigeration lines, air conditioning lines and other cold surfaces. Pipe-Dri makes it possible to insulate hard to reach areas.

ILLCO #	NU-CALGON #	SIZE
2311701	4297-75	Aerosol 18 OZ.



## NU-FOAM™

Nu-Foam is an expanding, polyurethane prepolymer foam that is used as a sealant and an insulating product. It can be used to seal and insulate areas such as openings created for air conditioning, refrigeration and heating tubes or pipes, duct joints, utility penetrations in exterior sheathing, masonry, concrete or wood walls, and other areas where unwanted air penetration might occur.

ILLCO #	NU-CALGON #	SIZE
2311698A	4293-04	Aerosol 9 OZ.



## V-BELT DRESSING

V-Belt Dressing is specially formulated to penetrate and extend modern V-Belt life. It is a unique product designed to maintain V-Belt efficiency and performance under today's increasing performance requirements. It keeps belts pliable, prevents slippage, and does away with squealing and chattering. Contains no fluorocarbons.

ILLCO #	NU-CALGON #	SIZE
2311020	4086-03	Aerosol 11 OZ.



## ELECTRICAL CONTACT CLEANER

Electrical Contact Cleaner cleans, lubricates, and protects electrical contacts. Instant solvent and cleaning action quickly removes greases, dust, and oxidation. Gives new life to high-precision instruments and components; restores and maintains precision and efficiency. Cleans and penetrates surface pores, protects against corrosion. Contains no fluorocarbons (CFC's).

ILLCO #	NU-CALGON #	SIZE
2310805	4082-03	Aerosol 11 OZ.



## FOOD GRADE SILICONE

Food Grade Silicone sprays a perfect non-stick surface on ice machine surfaces, vending machines, coin slots, hot plates, slicing machines, and other food processing and packaging equipment. An excellent lubricant that prevents binding and sticking.

ILLCO #	NU-CALGON #	SIZE
2310900	4084-03	Aerosol 11 OZ.



## PENETRATING LUBRICANT

Penetrating Lubricant frees rusted parts, displaces moisture and prevents new rust from forming. Has superior penetrating and lubricating properties that provide an ultra-thin, molecular film with high dielectric and corrosion resistant qualities. This film seals out water and oxygen as well as dirt and abrasive particles. Meets requirements for military specifications MIL-C-23411 and MIL-C-81309.

ILLCO #	NU-CALGON #	SIZE
2311005	4085-83	Aerosol 12 OZ.



## PUMP PROTECTOR

Prevents corrosion and assures easy start-up of seasonally operated pumps. May be used in circulating, irrigation, domestic, marine, industrial, condensate and auxiliary water pumps.

ILLCO #	NU-CALGON #	SIZE
2311705	4299-T8	Aerosol 10 OZ.



## ALKA-BRITE®

Alka-Brite is a non-acid, alkaline-based product for brightening and cleaning air cooled condensers. It contains the best available detergents and surfactants to quickly penetrate and remove greasy soils and oxidation...its foaming helps lift greasy soils out of the coil, leaving equipment clean and bright.

ILLCO #	NU-CALGON #	SIZE
2311080	4120-08	1 GAL.



## CAL-BRITE®

Cal-Brite is a low-pH or acid-based product developed for cleaning evaporator coils, air-cooled condensers and other finned cooling and heating coils. It is based upon glycolic acid and ammonium bifluoride, and it incorporates two surfactants, including DuPont's Mersol. The activity between the glycolic acid and the ammonium bifluoride produces a synergistic cleaning effect, resulting in a clean, brightened coil, but with the utmost in safety to the applicator and the job site as compared to HF-based products.

ILLCO #	NU-CALGON #	SIZE
2311098	4133-08	1 GAL.



## CAL-SHIELD®

It is specifically designed for application on air-cooled condensers, evaporator coils and other finned heating and cooling coils where it forms a micro-thin or molecular film of Teflon. Once applied, Cal-Shield will shield and protect the coil from adverse conditions within the operating environment.

ILLCO #	NU-CALGON #	SIZE
2311248	4148-08	1 GAL.



## CALCLEAN®

Use CalClean for fast and thorough cleaning of evaporator coils, heating coils, window units, air-cooled condensers and permanent air filters.

ILLCO #	NU-CALGON #	SIZE
2310795	4081-75	Aerosol 20 OZ.
2311106	4135-08	1 GAL.
2311156	4135-06	2-1/2 GAL.



## SPECIAL HD CALCLEAN®

Special HD CalClean is an extra-strong liquid detergent containing surface-active agents, grease solvents, alkaline cleaners, corrosion inhibitors and water conditioners specifically designed for cleaning electronic air filters. Electronic air filters soon become coated with tobacco tars and other deposits that are very difficult to remove with ordinary detergents. Use HD CalClean to rapidly clean dirt, grease, dust and tars from electronic concentrations.

ILLCO #	NU-CALGON #	SIZE
2311201	4143-08	1 GAL.
2311206	4143-06	2-1/2 GAL.



## CALCLEAN® HD-RTU

CalClean HD-Rtu is a ready-to-use version of the famous Special HD CalClean. It is a liquid detergent containing surface-active agents, grease solvents, alkaline cleaners, corrosion inhibitors and water conditioners specifically designed for cleaning electronic air filters. Electronic air filters can become coated with tobacco tars and other deposits that are very difficult to remove with ordinary detergents. CalClean HD-Rtu will rapidly clean dirt, grease, dust and tars from the plates on these filters and, it will not corrode or tarnish aluminum or other metals when used at the recommended concentrations.

ILLCO #	NU-CALGON #	SIZE
2311216	4144-24	1 QT.



## GREEN SELECT PRODUCTS

Nu-Calgon has developed the Green Select products with all natural ingredients derived from vegetable esters and other eco-friendly resources. All of the Green Select products have been tested extensively to ensure the highest level of performance while utilizing "green" ingredients. In addition, the products are biodegradable and will not harm plants, animals, and aquatic life. More importantly, we use only natural and renewable resources that are on the EPA's Designed for the Environment list of acceptable "green" ingredients.

ILLCO #	NU-CALGON #	SIZE
2311403	4190-08	Cal-Green Condenser Cleaner 1 GAL.
2311405	4191-08	Evap-Green Coil Cleaner 1 GAL.



## EVAP FOAM®

A foaming, no-rinse cleaner for cooling coils. Evap Foam "no-rinse" is a high performance, heavy duty detergent, specifically formulated and packaged into a convenient 18 ounce aerosol can. It is made with special surfactants and alkaline cleaner that have been developed into a foaming, no-rinse product. Evap Foam is ideal for use on most coils, but it is particularly suited for use on cooling or evaporator coils. And, the aerosol can may be sprayed either right side up or upside down.

ILLCO #	NU-CALGON #	SIZE
2311342	4171-75	Aerosol 18 OZ.



## EVAP POW'R®

A revolutionary "no rinse" product formulated specifically for indoor cleaning of evaporator coils. It is metal safe and will not harm the metal of evaporator coils. Cleans and emulsifies even the most stubborn soils and deposits.

ILLCO #	NU-CALGON #	SIZE
2311325	4168-08	1 GAL.
2311336	4169-24	1 QT.



## FOAM BRITE®

Nu-Calgon has developed a new generation condenser coil cleaner in Foam-Brite. It will provide the ultimate in foaming, brightening and cleaning, surpassing all other cleaners in the market. More importantly, it can be used to replace the more dangerous HF acid-based products for condenser coil cleaning.

ILLCO #	NU-CALGON #	SIZE
2311348	4178-08	1 GAL.
2311350	4178-05	2-1/2 GAL.



## NU-BLAST® CONDENSER COIL CLEANER

A "no rinse required" condenser coil cleaner in a convenient aerosol package. Double action of high pressure blast and solvent cleaning restores design efficiency of condenser coils... quickly and easily... Pleasant odor, non-flammable and non-conductive. No rinse required...cleaning solvent evaporates completely.

ILLCO #	NU-CALGON #	SIZE
2311695	4290-75	Aerosol 18 OZ.



## NU-BRITE®

A non-acid, alkaline-based product for cleaning and brightening air cooled condensers. It is formulated with the best available foaming detergents and chelants to quickly penetrate and dissolve greasy dirt and grime and foam it right out of the coil. The safer alternative.

ILLCO #	NU-CALGON #	SIZE
2311697	4291-18	Aerosol 18 OZ.
2311696	4291-08	1 GAL.



## GREEN CLEAN

A pleasantly scented, all-purpose cleaner designed for the rapid removal of grease and other heavy soils. It can be used right out of the bottle or diluted for milder jobs. It instantly penetrates greasy and oily surfaces, providing powerful emulsifying ingredients that chemically soften and dissolve the deposits, making them easy to remove. The safer, effective, alternative to toxic cleaners, bleaches and solvents. It's non-corrosive and very economical to use.

ILLCO #	NU-CALGON #	SIZE
2311397	4186-24	1 QT.
2311398	4186-08	1 GAL.

## CAL-BLUE®



Cal-Blue is a complete gas leak detector. Not only does it detect the smallest leak, it also provides other significant features and benefits. It's high viscosity formula enables it to remain in contact with the applied surface for an extended period of time, thereby allowing the smallest of leaks to be detected. It is also non-corrosive to metal, and this is a significant feature as it helps to maintain the integrity of piping, tubing and fittings. Also, it does not effect Ultraviolet or "black lights". Use Cal-Blue freely on systems with fluorescent dyes as it will not interfere with the subsequent use of ultraviolet light detection. Additionally, it is also freeze-protected and safe for use on most gases, including oxygen.

ILLCO #	NU-CALGON #	SIZE
2311365	4182-53	6 OZ.
2311367	4182-24	1 QT.
2311369	4182-08	1 GAL.

## CAL-BLUE® LT



Like regular Cal-Blue, Cal-Blue LT is a complete gas leak detector in that it provides many significant features and benefits. It's high viscosity formula enables it to remain in contact with the applied surface for an extended period of time, thereby allowing the smallest of leaks to be detected. It is also non-corrosive to metal, and this is a significant feature as it helps to maintain the integrity of piping, tubing and fittings. Also, it does not effect Ultraviolet or "black lights". Use Cal-Blue freely on systems with fluorescent dyes as it will not interfere with the subsequent use of ultraviolet light detection. Most importantly, it is also freeze-protected to -20°F, and it is safe for use on most gases, including oxygen.

ILLCO #	NU-CALGON #	SIZE
2311376	4183-24	1 QT.

## GAS LEAK DETECTOR



A high viscosity liquid that forms bubbles when daubed on a gas leak. Non-corrosive, non-staining, harmless to skin. Detects any type of gas leak such as air, compressed air, CO<sub>2</sub>, nitrogen, natural gas and refrigerant gases. Freeze point is well below 0°F. It is available in 6 ounce plastic bottles with a dauber and in 1-gallon bottles.

ILLCO #	NU-CALGON #	SIZE
2311355	4180-53	6 OZ.

## FLUORESCENT GAS LEAK DETECTOR



A fluorescent formulation that provides improved visibility and long lasting bubbles. It is non-corrosive to metals and is freeze-protected to -10°F. Suitable for high and low temperature applications. Can be used for most refrigerants, natural gas and oxygen systems, and it is available in gallons as well as easy-grip quart spray bottles.

ILLCO #	NU-CALGON #	SIZE
2311384	4184-24	1 QT.
2311390	4184-08	1 GAL.

## PHASE III® ACID TEST KIT



An inexpensive, disposable test kit that provides proof-positive that acid level in refrigeration oil is safe or unsafe. It can be used on mineral oils, alkylbenzene oils and polyol esters such as ICI Emkarate and Mobil EAL 22cc. Phase separation makes it easy to see change in color of acid indicator (Even if a leak detection dye has been added to the oil). Just two bottles to work with. No glass to break open. Simple. Safe. Accurate. And small enough so you can carry several in your tool box. For use on systems using mineral or alkylbenzene oils.

ILLCO #	NU-CALGON #	SIZE
2311800	4320-W8	-

## R<sub>x</sub>-ACID SCAVENGER™



A better, more convenient way to neutralize or "scavenge" acid in refrigeration, air conditioning systems after burnouts or during normal on-going system maintenance. Normal dosage rate is 2 fl. oz. of Rx-Acid Scavenger for every one gallon of system oil, 50% less than other acid neutralizing products. This "low treat" feature means far less material has to be added to the system. In addition, the Rx-Acid Scavenger can be used with all lubricants, mineral, alkylbenzene and polyol ester. This means only one product in the tool box or on the truck for all acid neutralizing needs.

ILLCO #	NU-CALGON #	SIZE
2311730	4301-02	-



## MINERAL OIL

These are specifically designed for today's high performance air conditioning and refrigeration compressors. These modern compressors run at higher speeds and generate higher temperatures so they require better lubrication. Use of these oils will insure continued efficient operation, providing the important properties required from an efficient refrigeration oil.

ILLCO #	NU-CALGON #	VISCOSITY	SIZE
2311735	4303-07	C-3	1 GAL.
2311741	4304-07	C-4	1 GAL.



## ZEROL® REFRIGERATION OIL

Zerol Refrigeration Oil is recommended for use in all refrigeration and air conditioning applications using CFC and HCFC refrigerants. It is highly recommended by refrigerant and compressor manufacturers for use with the HCFC blends such as R-401a as it provides many distinct advantages: excellent miscibility, excellent thermal stability, compatibility with mineral oils. It is an excellent clean-up/flushing oil.

ILLCO #	NU-CALGON #	VISCOSITY	SIZE
2311745	4308-07	200TD	1 GAL.
2311755	4310-07	150	1 GAL.
2311757	4310-01	150	55 GAL.
2311758	4311-07	300	1 GAL.
2311764	4311-01	300	55 GAL.



## EMKARATE™ RL POLYOL ESTER OIL

The requirements of today's refrigeration and air conditioning compressor lubricants are complex. These lubricants must be compatible and miscible with the HFC refrigerants that the industry is moving to, and they must be compatible and miscible with the current CFC's and HCFC's as well as mineral oil and alkylbenzene oil. Polyol ester lubricants meet these needs, and ICI's EMKARATE RL line of polyol esters is the preferred choice.

ILLCO #	NU-CALGON #	VISCOSITY	SIZE
2311787	4316-46	68H	1 GAL.



## CANVERTER®

A hand-held pump used to remove oil from and add oil to hermetic compressors. Easy to use; each stroke pumps 1 oz. of oil.

ILLCO #	NU-CALGON #	SIZE
2312814	4814-0	-



## R<sub>x</sub>-11 FLUSH®

R<sub>x</sub>-11-flush is an ozone-safe solvent engineered specifically for flushing refrigeration and air conditioning systems. Used exactly like the old R-11 flushing process, R<sub>x</sub>-11 is strong enough to rinse away particulate, sludge, carbon residues, acids, oils and water. It enhances system service and avoids the need for time-consuming repeat visits. R<sub>x</sub>-11-flush should become an integral part of standard procedures for any major system repair, oil change-out or retrofit.

ILLCO #	NU-CALGON #	DESCRIPTION	SIZE
2311714	4300-09	Canister	1 LB.
2311715	4300-10	Canister	2 LB.
2311725	4300-99	Injection Tool	-



## PNEU-FLUSH®

The Pneu-Flush System (patent pending) consists of a pressure-tested canister charged with approximately two quarts of Vertrel XM, a revolutionary HFC solvent that has excellent solvency and performance characteristics. The package is pressurized and R-134a is used as a propellant. It is sealed with a special valve fitting that only accepts the Pneu-Flush Injection Assembly.

ILLCO #	NU-CALGON #	SIZE
2311702	4298-02	-

## PAN-TREAT®



Left untreated, condensate pans can suffer from the build-up of sludge, scum and other accumulations. This build up can cause odors as well as plugged drains and overflows, which in turn result in water damage. Pan-Treat is formulated with ingredients proven effective in cleaning and preventing these deposits, and its use will eliminate the extra maintenance costs associated with odors, plugged drains and overflows. Pan-Treat is extremely easy to use, and is safe, non-toxic and biodegradable. The product is completely soluble in water and it does not form any deposits in the pan or drain.

ILLCO #	NU-CALGON #	SIZE
2311700A	4296-60	200 Tablets

## PAN PADS®



A revolutionary package-design of a product formulated especially to eliminate the build-up of bacteria and slime growths in the air conditioning and refrigeration condensate drain pans. Combats a broad spectrum of harmful bacteria, including Legionella. Available in two sizes: ACP units (3/4 oz.) for systems up to 5 tons, and RCP units (2 1/8 oz.) for systems up to 15 tons. Both will provide adequate treatment for up to three months.

ILLCO #	NU-CALGON #	SIZE
2311699	4295-34	For Units Up To 5 Tons
2311700	4296-24	For Units Up To 15 Tons

## PAN SPRAY®



Pan-Spray is an effective, easy-to-use water proof rubberized coating that won't chip, flake, or peel. It's ideal for sealing out rust and corrosion as well as repairing leaky condensate pans, cooling towers, swamp cooler, roofing, gutters and down spouts. Pan Spray is the perfect solution for emergency and permanent repair.

ILLCO #	NU-CALGON #	DESCRIPTION	SIZE
2311700B	4296-50	White	16 OZ.
2311700C	4296-51	Black	16 OZ.

## BIO-FRESH® CD



A concentrated, ready-to-use bacteriostat-fungistat-deodorizer that is EPA-registered and formulated for use in HVAC/R systems.

ILLCO #	NU-CALGON #	SIZE
2311090	4126-34	1 QT.
2311092	4126-38	1 GAL.

## CALCI-SOLVE®



Remove scale from lines and clear clogged drains easily and effectively with Calci-Solve. The product's unique acid-formulation includes a special inhibitor, RD-188, that coats the inside of the pipes with a protective film, allowing the acid in Calci-Solve to quickly dissolve calcium, magnesium, sodium, lime, rust and other such elements without harming pipes. Calci-Solve is the ideal cleaner for cleaning boilers, heaters, water pumps, evaporators, heat exchangers and other air conditioning equipment.

ILLCO #	NU-CALGON #	SIZE
2311102	4134-08	1 GAL.

## LIQUID SCALE DISSOLVER



A hydrochloric (muriatic) acid that is formulated to remove calcium scales from cooling towers and other water-cooled equipment. It contains low-foaming corrosion inhibitors and a built-in pH color indicator. pH test paper is also included.

ILLCO #	NU-CALGON #	SIZE
2311805	4330-08	1 GAL.
2311855	4330-05	5 GAL.

## NO. 340 LIQUID SCALE INHIBITOR



A unique scale inhibitor for cooling towers and evaporative condensers, and it is extremely effective in hard or highly alkaline water. No. 340 Liquid Scale Inhibitor is stable and does not form any orthophosphate sludge. It is most effective at treatment levels between 10 and 15 parts per million (about 1 gallon of No. 340 per 100,000 gallons of water). A feed rate of 1/2 gallon per month is recommended for each 30 tons and 1 gallon per minute bleed-off. A constant, accurate feed is accomplished with the No. 215 Drip Feeder on systems up to 60 tons. For larger systems, a No. 1075 Drip Feeder or CMS Pump should be used.

ILLCO #	NU-CALGON #	SIZE
2311906	4340-08	1 GAL.



## LIQUID SCALE REMOVER (SEASON START®)

Scale Remover is a powdered sulfamic acid formulation that contains the best inhibitors available for protecting all metals including galvanizing. It is the best and the safest dry acid cleaner available. It contains a built-in pH color indicator as well as wetting and anti-foaming agents. Product is also available as the 10 lb. Season Start package.

ILLCO #	NU-CALGON #	SIZE
2312055	4360-84	50 LBS.
2312060	4360-88	10 LBS.



## SEASON TREAT

The patented Micromet Plate product contained in a unique flow-through package design. This design makes it simple to treat small cooling towers and evap condensers. Simply unwrap the package and place it in the sump...one package treats up to 10 tons.

ILLCO #	NU-CALGON #	SIZE
2312065	4364-88	5 LBS.



## NO. 85 ALGAECIDE

No. 85 Algaecide, is a polymeric, catatonic biocide that has been developed for controlling the growth of algae, bacteria, and fungi in recirculating water systems, industrial air washing systems and closed systems.

ILLCO #	NU-CALGON #	SIZE
2311068	4108-08	1 GAL.



## LIQUID ICE MACHINE CLEANER

Liquid Ice Machine Cleaner is formulated for 75% phosphoric acid for removing scale deposits from ice machines and coffee urns. It is a food-grade liquid acid that is fast acting yet safe to use in this equipment. It does not give off any harsh fumes or contain chlorine or chlorides that would attack stainless steel. It is available in 8 fl. oz. bottle and 1 gallon bottles.

ILLCO #	NU-CALGON #	SIZE
2311455	4207-47	13 OZ.
2311506	4207-08	1 GAL.



## NICKEL SAFE ICE MACHINE CLEANER

A specially formulated product for removing scale deposits from ice machines having nickel-plated or tin-plated evaporators. Acceptable for use on Manitowoc and other manufacturers using nickel plated evaporators. It is available in pints and gallons, and it mixes to form a green cleaning solution which makes rinsing easier.

ILLCO #	NU-CALGON #	SIZE
2311685	4287-34	16 OZ.
2311691	4287-08	1 GAL.



## MICRO-PLUS®

The complete all-in-one treatment for ice machines, coffee urns and brewers, beverage machines and other equipment or systems using water such as humidifiers, steamers, etc. The Micro-Plus "in-line" treatment units contain 6R Micromet for the control of scale. They also contain high-grade activated carbon for eliminating objectionable tastes and odors, and filter discs to remove silt and sediment down to 20 microns.

ILLCO #	NU-CALGON #	CAPACITY	TYPE
2312215	4615-W3	12.5 gal, 125 lbs ice	2
2312212	4612-W3	25 gal, 259 lbs ice	4
2312220	4613-Y8	50 gal, 500 lbs ice	8
2312223	4614-Y8	100 gal, 1000 lbs ice	16

## NU-PLUS E SERIES EVERPURE

### QC71 Twin Parallel Head

A dual filter head that is parallel plumbed for two Nu-Plus E Series filters, either mix or match. Head includes a shut off, flushing valve and outlet pressure gauge on a box bracket design.

### QC71 Single Head

Ideal for all Nu-Plus E Series filters with a built-in shut off, flushing valve and an outlet pressure gauge which is included on the mounting bracket. (3/8 NPT)

ILLCO #	NU-CALGON #	EVERPURE #	TYPE / CAPACITY
2312249	4621-01	QC71	Single / 1.67 GPM
2312250	4621-02	QC71	Parallel / 3.34 GPM
2312251	4621-05	SRX	SRX scale inhibitor feeder housing w/ cartridge
2312257	4621-42	C-10	C-10 prefilter housing w/ cartridge



## NU-PLUS E SERIES EVERPURE nu-i2000 and nu-i4000

Reduce water-related ice machine problems caused by dirt, objectionable tastes and odor and by scale build-up. Precoat submicron filtration reduces particles as small as 1/2 micron long with chlorine and other offensive contaminants, and the feed of 6R Micromet® inhibits scale build-up caused by dissolved minerals. NSF Certified under NSF/ANSI Standards 42 and 53. Pre-coat filtration with Micro-Pure® II antibacterial protection. Premier 6R Micromet scale control and cyst reduction.

ILLCO #	NU-CALGON #	EVERPURE #	CAPACITY
2312252	4621-10	nu-i2000	9,000 GAL, 750 LB. cubers, 1,500 LB. Flakers
2312253	4621-11	nu-i4000	12,000 GAL, 1,000 cubers, 2,000 LB. Flakers



## NU-PLUS E SERIES EVERPURE nu-MC and nu-XC

Reduces chlorine taste, odor and other offensive contaminants that can adversely affect the taste of fountain beverages. Precoat submicron filtration reduces particles as small as 1/2 micron, and it helps retain carbonation in drinks. NSF Certified under NSF/ANSI Standards 42 and 53. Pre-coat filtration with Micro-Pure® II antibacterial protection. Reduces objectionable tastes and odors and cyst reduction.

ILLCO #	NU-CALGON #	EVERPURE #	CAPACITY
2312254	4621-20	nu-MC	9,000 GAL
2312255	4621-21	nu-XC	12,000 GAL



## NU-PLUS E SERIES EVERPURE nu-7CB5S

The carbon block filter finely polishes the water allowing for high quality beverage and food applications. NSF Certified under NSF/ANSI Standard 42. Taste and odor, chlorine reduction. Scale Control. Particulate reduction to 5 micron. Problem solving cartridge for high particulate or low flow water pressure areas.

ILLCO #	NU-CALGON #	EVERPURE #	CAPACITY
2312256	4621-30	nu-7CB5-S	10,000 GAL



## NU-PLUS E SERIES CU and CU-S

The Nu-Plus E Series CU and CU-S cartridges are replacements that are compatible for the Cuno Series 8000 Filter cartridges. Both incorporate a carbon block filter that polishes water for high quality beverage and ice, reducing chlorine tastes and odor and other offensive contaminants. They also reduce extra fine dirt as small as 5 microns. Additionally, the CU-S provides for the reduction of scale formation.

ILLCO #	NU-CALGON #	CUNO #	CAPACITY
2312258	4622-10	CFS-8112S, CFS-8720S, CFS-8812S	10,000 GAL
2312259	4622-20	CFS-8112, CFS-8270, CFS-8812	10,000 GAL



## TY-ION® B20

A liquid nitrite-borax corrosion inhibitor and dispersant for closed recirculating systems. It combines corrosion inhibitors, a unique copolymer dispersant, and a color indicator into a complete treatment for both hot and chilled water closed systems containing ferrous and non-ferrous metal components. The color indicator facilitates leak detection and proper treatment residuals.

ILLCO #	NU-CALGON #	SIZE
2317050	7537-05	5 GAL.





## THERMO-TRAP®

A heat absorbing paste designed to isolate heat encountered in soldering, welding and brazing and to prevent damage to nearby heat sensitive controls, fittings or other material.

ILLCO #	NU-CALGON #	SIZE
2312105	4371-36	11 OZ.



## SCRUBS® IN-A-BUCKET

A pumice waterless hand cleaner towel that is impregnated with a revolutionary hand cleaning compound. It is great for cleaning the dirtiest hands and degreasing dirty tools and equipment. It works fast to loosen, dissolve and absorb grease and grime. Its deep-penetrating scrubbers remove embedded grime while conditioning and softening the hands. It is disposable, and is available in a 80 or 36-count self-dispensing canister. Cleans hands anywhere, anyplace, anytime!

ILLCO #	NU-CALGON #	SIZE
2312067	4366-24	36 Count
2311530	4366-87	80 Count



## CORK INSULATION TAPE

Through detailed research and extensive testing, this tape has been formulated and manufactured to meet specific Nu-Calgon specifications as an insulating material for preventing sweating and condensation on refrigerant lines, cold pipes and other commercial refrigeration and air conditioning systems. It also can serve as an excellent insulator on hot pipes, and can be used as gasketing material and as sound-deadening material. It also can be used for wrapping valves, tees, and fittings.

ILLCO #	NU-CALGON #	SIZE
2311517	4217-W3	2" X 1/8" X 30'



## FOAM INSULATION TAPE

Our foam insulation tape is formulated from the highest quality elastomeric thermal insulation material. It is manufactured in accordance with selected specifications to meet the needs of today's air conditioning and refrigeration applications. Its closed-cell construction seals out air, retarding heat transfer and providing complete insulation.

ILLCO #	NU-CALGON #	SIZE
2311518	4218-W3	2" X 1/8" X 30'



## QUICK SEAL PIPE REPAIR KITS

Quick Seal Pipe Repair is a knitted fiberglass tape that is impregnated with polyurethane resin. It has been developed for quick, in-the-field repair of leaks. It can be used on both cold or hot water as well as refrigerant applications, and it bonds to all types of pipes. It is a fast, durable and cost effective pipe repair system.

ILLCO #	NU-CALGON #	SIZE
2311710	4299-10	2" X 3'
2311711	4299-11	4" X 12'



## POT FEEDERS

Steel tanks suitable for pressures up to 150 psi and temperatures up to 212F. Uses 3/4 inch FNPT connections for installing on bypass to any size line. Use No. 20L Feeder for initial charge up to 20 pounds. No. 100L Feeder for initial charges up to 100 pounds. Designed for by-pass feeding of chemicals into closed systems and boilers. Can also be used to feed Micromet built strainers (2) and flow indicator should be ordered separately.

ILLCO #	NU-CALGON #	CAPACITY
2312360	4628-0	20 LBS.
2312430	4650-0	100 LBS.



## MULTI-PURPOSE SPRAYER

A 24-ounce capacity sprayer. It's ideal for small cleaning jobs, such as window units and water coolers.

ILLCO #	NU-CALGON #	CAPACITY
2312680	4768-W3	24 OZ.



## 50P POLY SPRAYER

The No. 50P is constructed of high density polyethylene. It has a half gallon capacity (3 pint working capacity). The nozzle is adjustable and the flow rate is controlled by a thumb lever. It comes with a 7" polyethylene pump.

ILLCO #	NU-CALGON #	CAPACITY
2312710	4770-0	1/2 GAL.



## 220CP POLY SPRAYER

The No. 220CP Poly Sprayer is constructed of high-density polyethylene. It has a funnel top which provides for easy chemical pouring and has a 2-1/2 gallon capacity (2 gallon working capacity). It comes with a 10" polypropylene pump, handle, 12" tube with adjustable nozzle and 3 ft. hose.

ILLCO #	NU-CALGON #	CAPACITY
2312715	4771-3	2 GAL.



## 300CP POLY SPRAYER

The No. 300P Poly Sprayer is constructed of high density polyethylene. It has a funnel-top which provides for easy chemical pouring and has a 3 1/2 gallon capacity (3 gallon working capacity). It comes with a 10" Celcon pump, extension tube with adjustable nozzle and five feet of vinyl hose.

ILLCO #	NU-CALGON #	CAPACITY
2312720	4772-0	3 GAL.



## COIL GUN

Quick-Disconnect Feature. Variable Ratio Settings – 3:1, 4:1, 6:1, and 9:1. 2-Quart Capacity. Foam Wand to Enhance Foaming. Ideal for all Nu-Calgon Coil Cleaners. (Not recommended for use with hydrofluoric acid based coil cleaners.) Connects easily to available water supply. (Always wear eye protection and wear protective clothing. Spray in well ventilated, open area.)

ILLCO #	NU-CALGON #	CAPACITY
2312740	4774-0	1/2 GAL.



## 31-TX ACID PUMP

Compact submersible pump designed for circulating strong acids and cleaning solutions. All parts are constructed of acid-resistant materials. Motor is protected by thermal overload that stops pump if temperature exceeds 140°F.

ILLCO #	NU-CALGON #	SIZE
2312155	4603-0	-



## HK-31 HOSE KIT

An accessory item available for use with the No. 31-TX Acid Pump. Kit includes two 1/2 inch tubing adapters, two 10 foot sections of 1/2 inch clear plastic tubing and three hose clamps.

ILLCO #	NU-CALGON #	SIZE
2312205	4604-0	1/2"



**COMMON WIRE SOLDER**

With some exceptions, the tin/lead solders can be used to solder copper and most copper alloys, lead, nickel alloys and steel. The 95/5 tin/antimonial lead-free solder is useful for applications where moderately elevated temperature is a factor. With a higher electrical conductivity and high fluidity, 95/5 is recommended for lead-free installation of small-diameter, tight-fitting connections. The tin/antimony solders are not recommended for use on brass.

ILLCO #	PRODUCT NAME	% TIN	% LEAD	% ANTIMONY	SIZE
5351044	50/50 Solder	50	50	0	1/8"
5351055	95/5 Solder	95	0	5	1/8"
5351040	Lead Free Solder	Unknown	0	Unknown	1/8"



**STAY-BRITE® SILVER-BEARING SOLDER**

Stay-Brite silver-bearing solders have the same excellent affinity as Stay-Silv and Safety-Silv to bond with all the ferrous and non-ferrous alloys (including stainless steel, nickel, copper, brass, etc.). Stay-Brite joints exhibit considerably higher-than-necessary elongation for sound dissimilar metal joints and vibration applications. Stay-Brite alloys range in temperature from 430°F to 535°F.

ILLCO #	PRODUCT NAME	SIZE
5351011	Stay-Brite	1/8"
5351022	Stay-Brite #8	1/8"



**BRIDGIT® NICKEL-BEARING SOLDER**

Bridgit caps like no other lead-free solder, and its wide plastic range of 170°F allows the operator to fill both tight and loose, non-concentric connections with ease. The strength of a Bridgit joint far exceeds the pressure point at which copper tubing will burst.

ILLCO #	SIZE
5351057	1 LB.



**SAFETY-SILV® HIGH-SILVER BRAZING ALLOYS**

Excellent general purpose non-toxic brazing alloy. Often specified in governmental use. Good ductility and capillary flow. Color is silver to light yellow as in polished brass.

ILLCO #	PRODUCT NAME	% SILVER	% COPPER	% ZINC	SIZE
5351001	Safety-Silv 45	45	30	25	1/16"
5351006	Safety-Silv 25	25	43	30	1/16"



**PHOSPHORUS/COPPER BRAZING ALLOYS**

J.W. Harris brazing alloys are the cleanest and brightest, free of oxide and surface impurities. Other brazing alloys just don't meet Harris standards. Compare our alloys with others - you can see the difference. Harris alloys are pure and shiny, and that cleanliness runs all the way through the rod. What a huge difference purity makes in the integrity of your brazed joint. ILLCO product numbers 5351118 to 5351133 are tube quantities (28 rods/tube).

ILLCO #	PRODUCT NAME	% SILVER	% PHOSPHORUS	SIZE
5351090	Harris O	0	7.1	1/8"
5351099	Stay-Silv 5	5	6	1/8"
5351105	Dynaflow	6	6.1	1/8"
5351111	Stay-Silv 15	15	5	1/8"
5351118	Harris O	0	7.1	1/8"
5351122	Stay-Silv 5	5	6	1/8"
5351128	Dynaflow	6	6.1	1/8"
5351133	Stay-Silv 15	15	5	1/8"



**STAY-SILV® WHITE BRAZING FLUX**

For use with silver brazing alloys on all metals other than aluminum, magnesium or titanium. Effective to 1600°F. Meets Fed Spec. OF499, Type B; AWS FB3A, AMS 3410.

ILLCO #	HARRIS #	DESCRIPTION	SIZE
5351188	40020	Liquid Brazing Flux	4 OZ.
5351199	40021	Liquid Brazing Flux	8 OZ.
5351201	40023	Liquid Brazing Flux	16 OZ.
5351211	40022	Paste Brazing Flux w/ Brush in Cap	6.5 OZ



## STAY-CLEAN® SOLDERING FLUX

For virtually all metals other than aluminum, magnesium or titanium. Use with Stay-Brite solders or practically any other solder with a liquidus below 700° F. Not recommended for electrical or electronic applications. Meets Commercial Spec. A-A-51145C.

ILLCO #	HARRIS #	DESCRIPTION	SIZE
5351144	40002	Liquid Soldering Flux	4 OZ.
5351155	40003	Liquid Soldering Flux	16 OZ.
5351166	40004	Liquid Soldering Flux	32 OZ.
5351177	40005	Liquid Soldering Flux	1 GAL.



## STAY-CLEAN® PASTE SOLDERING FLUX

Excellent flux for joining copper to copper and copper to brass. Not recommended for electrical or electronic applications. Meets Commercial Spec. A-A-51145C.

ILLCO #	HARRIS #	DESCRIPTION	SIZE
5351180	40027	Paste Soldering Flux w/ Brush in Cap	4 OZ.
5351184	40028	Paste Soldering Flux	1 LB.



# VIRGINIA KMP



## EMKARATE™ RL POLYOL ESTER OIL

Emkarate RL polyol ester refrigeration lubricants are specially designed for use with HFC and HCFC refrigerants, but they may also be used with CFC refrigerants. The Emkarate line of polyol ester lubricants is one of the most widely accepted by major OEM's. The availability of a broad range of viscosities allows for use in a wide range of applications, including reciprocating, centrifugal, rotary, screw, and scroll compressors.

ILLCO #	VIRGINIA #	VISCOSITY	SIZE
9600200	LE32-3MAF1	ISO 32, 150 SUS	1 GAL.
9600600	LE-68H-1	ISO 68, 300SUS	1 GAL.



## SUNISO® GS MINERAL OIL

Virginia Suniso GS brand of naphthenic-based mineral oil has been the refrigeration industry standard for decades. This lubricant is excellent for use on CFC, HCFC and some non-fluorocarbon refrigerants including ammonia. Under low temperature applications, this lubricant retains much of its flow characteristics, and has an extremely low wax content to minimize separation.

ILLCO #	VIRGINIA #	VISCOSITY	SIZE
9601039	L-318	3GS	1 GAL.
9601049	L-321	3GS	5 GAL.
9601059	L-324	3GS	55 GAL.
9601069	L-319	4GS	1 GAL.
9601079	L-322	4GS	5 GAL.
9601089	L-325	4GS	55 GAL.
9601091	L-320	5GS	1 GAL.



## REFRIGERATION MINERAL OIL

This high quality naphthenic based mineral lubricant has been specifically refined for refrigeration, air conditioning, and heat pump use. Even in low temperature application, this lubricant retains its exceptional characteristics of a low pour and floc point, helping to ensure that the compressor and system components receive the proper lubrication for years of trouble free operation.

ILLCO #	VIRGINIA #	VISCOSITY	SIZE
9601129	L-352	300	1 GAL.



## ALKYLBENZENE OIL

For use on systems with interim HCFC, CFC, and ammonia. Low floc points and low foaming characteristics. Excellent thermal and chemical stability. Is compatible, can replace, and can be added to mineral oil. Approved by manufacturers worldwide.

ILLCO #	VIRGINIA #	VISCOSITY	SIZE
9600200	LAB201	AB200	1 GAL.



## DEGREASING SOLVENT

Virginia D10e solvent is the environmentally friendly version of our famous D10 degreaser. It effectively removes grease, oil and grease-bound dirt from machine parts, motors, armatures, coils, switches, breakers and electronic components. Non-injurious to most electrical insulation coverings. Leaves no undesirable, current conducting residue. Available as a liquid or in aerosol form.

ILLCO #	VIRGINIA #	SIZE
9601259	D-10e-1	1 GAL.



## PIPE SAVER ANTI-FREEZE

Pipe Saver is an inhibited propylene glycol based anti-freeze that offers a safer alternative to the more toxic ethylene glycol based solutions. It can protect pipes from bursting down to -100°F (-73°C). Applications include chillers, hydronic heating and process coolers. All of the ingredients are generally regarded as safe by the FDA, making Pipe Saver the recommended anti-freeze for use in systems which may come in contact with drinking water.

ILLCO #	VIRGINIA #	SIZE
9602558	PS-55	55 GAL.



## PRESSTITE® PERMAGUM SEALING GUM

These sealing gums are a non-hardening, water-resistant compound, formulated from the highest quality materials. They are non-staining, non-bleeding, and have excellent adhesion. Both are supplied in ready-to-use extruded beads or bulk slugs. Sealing gum is specifically designed to exclude dirt, dust and moisture from joints, seams and openings. Also excellent for use in sealing around window units and refrigerated cases.

ILLCO #	VIRGINIA #	STYLE	SIZE
9601209	PP-22	Slugs	2 LB.
9601219	PP-33	Cords	3/16"
9601229	PP-36	Cords	3/8"



## VIRGINIA FOAM INSULATION TAPE

Prevents pipe sweat. Ann also be used to reduce heat loss on hot pipes below 160 degrees. Easily cuts into pieces and molds around fittings and valves, eliminating the high cost of specialty cast forms. Adheres to clean metal surfaces and to itself.

ILLCO #	VIRGINIA #	SIZE
9601179	K-501	1/8"x2"x30'



## PRESSTITE® CORK INSULATION TAPE

Cork insulation tape may be used for either hot or cold temperature applications within its continuous duty service temperature range of -20 degrees to 158 degrees. For use on pipe or tubes, in commercial or residential buildings, A/C units, refrigerated units and other similar types of applications. For hot or cold pipes. Stops dripping caused by pipe condensation. Adheres to metal and will not crack or dry out. Self-adhering for multiple layers.

ILLCO #	VIRGINIA #	SIZE
9601189	PT-1	1/8"x2"x30'

# PERMABOND®



## PERMA-LOK PIPE THREAD SEALANT

Perma-Lok is a rapid curing adhesive designed to lock and seal metal parts which, subsequently, may need to be dismantled for maintenance. The high vibration resistance makes Perma-Lok particularly suited to replacing lock washers, split pins and other mechanical locking devices.

ILLCO #	SIZE
5470100	50 ML Tube
5470105	250 ML Tube
5470110	350 ML Can
5470115	750 ML Can



**REGULAR GRADE NEVER-SEEZ®**

The "original" anti-seize compound and extreme pressure lubricant formulated with copper, graphite, aluminum and other ingredients to protect metal parts against rust, corrosion and seizure up to 1800° F. Fine metallic and graphite particles in special grease protect parts even in high heat, high pressure and corrosive environments.

ILLCO #	CONTAINER	SIZE
9996501	Spray Can	16 OZ.
9996502	Can	8 OZ.
9996503	Can	1 LB.

**CALFONEX**



**PIPE BREAK**

Pipe Break is a quick-acting super penetrant specially formulated to creep under moisture, rust and corrosion to free frozen joints, nuts, bolts, and other fasteners almost instantly. Pipe Break is more than a penetrating oil, it is a concentrated spray product with maximum penetrating power. Our new anti corrosion additive forms an invisible bond on the metal surface preventing future rust and discoloration.

ILLCO #	SIZE
2282000	9 OZ.



**LPS LABORATORIES®**



**LPS 1 GREASELESS LUBRICANT**

Dries fast and resists oil, dust and dirt buildup. Provides a dry, thin lubricating film. Fast acting penetration. Displaces moisture. Loosens rusted or frozen parts. Provides short term light corrosion resistant barrier. Resist film buildup. Nonflammable propellant. Ideal for delicate mechanisms. Safe on paint and most plastics. Used worldwide in aviation. Protects tools from rust. Inverta Spray Valve.

ILLCO #	LPS #	SIZE
6040100	00116	11 OZ.



**LPS 2 INDUSTRIAL STRENGTH LUBRICANT**

Strong, multi-purpose lubricant and penetrant with added corrosion protection. Provides a nondrying, light, oily film for use on indoor/outdoor equipment. Displaces moisture. Reduces wear caused by friction and corrosion. Loosens rusted or frozen parts. Provides up to one year protection. Nonflammable propellant. Nonconductive. Safe on rubber, paint and most plastics. Used worldwide in aviation. Inverta Spray Valve.

ILLCO #	SIZE
6040200	11 OZ.
6040203	55 GAL.



**LPS 3 RUST INHIBITOR**

Protects up to two years. Stops rust and corrosion. Provides non-sling lubrication. Nonflammable propellant. Self-healing, waxy film. Provides anti-seize coating. Safe to use on rubber, fabric, plastics and paints.

ILLCO #	SIZE
6040300	11 OZ.



## HEAVY-DUTY SILICONE LUBRICANT

Silicone-rich formula. Water-based formula. Colorless and odorless. Excellent lubricity. Eliminates sticking, binding and squeaking. Dry, nonstaining. Safe on most surfaces.

ILLCO #	SIZE
6040400	13 OZ.



## COLD GALVANIZE

95 % zinc-rich galvanized coating commonly used as a flash rust preventative on welded areas. Works like a hot-dip on ferrous metals indoors and out. Three year protection. Withstands water temperature up to 212° F (100° C) and continuous dry heat up to 750° F (400° C). Flexible coating will not yellow, chalk, crack or peel electrochemically protected bare metal.

ILLCO #	SIZE
6040500	16 OZ.



## ELECTRO CONTACT CLEANER

The fast-penetrating, quick-evaporating, nonresidue cleaner for electrical/electronic fine parts.

ILLCO #	LPS #	SIZE
6040600	00416	15 OZ.



## ELECTRO 140° CONTACT AND CABLE CLEANER

The high flashpoint, controlled evaporating, non-residue cleaner.

ILLCO #	LPS #	SIZE
6040605	00916	11 OZ.



## A-151 CLEANER/DEGREASER

High Flash Point above 140° F (60° C). Low odor. No rinsing and no residue. Replaces ozone depleting solvents and hazardous air pollutants such as MEK. Does not contain 1,1,1 trichloroethane. Nonconductive. Safe to use on most surfaces - prolonged contact with aircraft transparencies should be avoided. Inverta Spray Valve

ILLCO #	SIZE
6040900	15 OZ.



## PLASTIC SAFE CLEANER

Formulated for contact cleaning. Fast evaporation. No flash point. Noncorrosive. No rinsing and no residue. Displaces moisture. Very low odor. Contains HCFC 141b - which has 85% less ozone depletion potential than CFC 113.

ILLCO #	LPS #	SIZE
6041000	04620	18 OZ.


**GASOILA® SOFT-SET THREAD SEALANT W/ PTFE**

Soft-setting, non-toxic, PTFE paste. Provides a positive seal on pipe threads, joints, fittings, hoses, nozzles, LPG cylinders, pump assemblies, oil burners, hydraulics, bolts, compressors, engines, motors, housings, plugs, fuel lines, couplings, etc. For use on brass, copper, stainless steel, aluminum, black pipe, tin, galvanized, ABS, PVC plastics, nylon, polyethylene, polypropylene, polybutylene, etc. Excellent resistance to gasoline (up to 20% alcohol and petroleum blends), petroleum solvents, kerosene, diesel oil, propane, butane, LPG, cutting oils, ammonia, aliphatic solvents, acids, steam, water, compressed air and more. NOT for use on oxygen. Temperature Range: -100°F to 600°F (-74°C to 318°C). Pressure Range: To 10,000 psi sealing liquids; to 3,000 psi sealing gases. Approved by CSA and NSF. UL and ULC Classified.

ILLCO #	SIZE
3031444	1/2 PT.


**FREE ALL DEEP PENETRATING OIL**

Penetrates rust, scale and corrosion to free parts and assemblies INSTANTLY! Loosens red and white lead, tar, grease, carbon and graphite deposits. Specially formulated rust eating agent is ideal for plumbing, automotive, marine and general industrial applications. Will free up all threaded pipe connections, rusted machine screws, bolts, nuts, clamps for mufflers and tail pipes, pillow blocks, universal joints, locks, etc. Contains NO silicones.

ILLCO #	SIZE
3031700	12 OZ.


**ZIP JOINT® PTFE ROPE**

Ideal for packing valves and faucets. Quickly make any gasket. Simple and clean to install. Spreads under compression to conform to odd shapes. PTFE sealing agent withstands vibration. Unique package allows for easy dispensing and storage. Temperature Range: -400°F to 500°F (-240°C to 260°C). Pressure Range: To 500 psi under general use.

ILLCO #	SIZE
3031842	3/32" X 25'
3031863	5/32" X 25'
3031866	7/32" X 25'
3031869	9/32" X 25'


**PLS® 2 THREAD AND GASKET SEALER**

Ideal for packing valves and faucets. Quickly make any gasket. Simple and clean to install. Spreads under compression to conform to odd shapes. PTFE sealing agent withstands vibration. Unique package allows for easy dispensing and storage. Temperature Range: -400°F to 500°F (-240°C to 260°C). Pressure Range: To 500 psi under general use.

ILLCO #	SIZE
3031422	1/4 PT.


**WD-40®**

**WD-40® MULTI-PURPOSE SPRAY**

Known as "the can with a thousand uses," WD-40 protects metal from rust and corrosion, penetrates stuck parts, displaces moisture, and lubricates just about anything. WD-40 is also great when it comes to cleaning grease, grime, and other marks from most surfaces.

ILLCO #	SIZE
9993495	16 OZ.
9993500	1 GAL.


**WD-40® SPRAY BOTTLE**

Spray bottle does not come filled with WD-40 solution.

ILLCO #	SIZE
9993501	32 OZ.



## THAWZONE®

The original liquid dehydrant for the control of moisture in refrigeration systems. Thawzone chemically "dries" ALL refrigerants, such as R-12, R-22, R-134A, etc., CFC, HFC and HCFC refrigerants, and those containing methyl chloride and methylene chloride. Frees frozen systems due to moisture in 5 minutes. Does not leave residue. Does not contain any dissolved solids or methanol. Compatible with all refrigerants and lubricants.

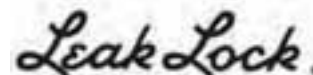


ILLCO #	HIGHSIDE #	SIZE
5481000	17001	1 OZ.
5482000	17004	4 OZ.



## LEAK LOCK®

Leak Lock is a state-of-the-art high strength, pipe joint sealant consisting of chemically resistant film formers, plasticers, reinforcing fillers and solvents. A resin based brushable paste which remains permanently flexible, adheres to internal surfaces and fills voids. Ideal for metal and plastic materials subject to extreme vibrations. Effective in temperatures from -200°F (-93°C) to 400°F (204°C), full vacuums and pressures to 10,000 PSI



ILLCO #	HIGHSIDE #	SIZE
5483000	10001	1-1/3 OZ.
5484000	10004	4 OZ.
5484020	10016	1 PT.



## TRACE® LEAK DETECTOR

TRACE is a red dye, fluorescent tracer type leak detector for refrigeration, air conditioning and hydraulic systems. It is a concentrated dye penetrant with a fluorescent additive in a mineral oil base. TRACE® is designed for use in systems using Mineral oil or Alkybenzene as a lubricant.



ILLCO #	HIGHSIDE #	SIZE
5485000	20004	4 OZ.
5486000	20016	1 PT.



## MID-TEMP LEAK DETECTOR

This gas leak detector is traditionally non-toxic and non-hazardous. A viscous, fluorescent, bubble-type gas leak detector. Rated to 27°F (-3°C). Use on hot and cold piping. Leaks appear as large strong bubbles which cling to the surface and are fluorescent under a black light. For use on hot and cold piping and equipment containing most gases: air, natural gas, all refrigerants (R-12, R-134A, R-22, R-502, etc.), ammonia, SO<sub>2</sub>, etc.



ILLCO #	HIGHSIDE #	SIZE
5486050	23008	8 OZ.



## SOLDERLENE®

Solderlene is a high quality, paste type, non-acid soldering flux. Industrial strength wetting agents to promote solder flow. For use with low and mid-temp. soft solders, both lead and lead-free. Effective on all metals except aluminum and magnesium.



ILLCO #	HIGHSIDE #	SIZE
5487000	30004	4 OZ.
5488000	30016	1 PT.

# SYNCO CHEMICAL COMPANY



## SUPER LUBE®

Super Lube is a patented, multi-purpose synthetic lubricant, containing SYNCOLON® (PTFE) particles held in suspension. Super Lube lasts longer and outperforms conventional petroleum-based greases and oils.

ILLCO #	CONTAINER	SIZE
9994015	Tube	3 OZ.
9994020	Tube	11 OZ.
9994025	Cartridge	400 g





## K-FLEX® 320 ADHESIVE

R-320 Adhesives are air-drying solvent based neoprene contact adhesives that are excellent for joining seams and butt joints of elastomeric & polyolefin pipe and sheet insulation. It makes resilient moisture- and heat-resistant bonds when used with elastomeric and polyolefin products. Its higher solids content allows it to be brushed or roller applied easily without running. Ideal for bonding porous and non-porous materials, as it will not be absorbed easily. Suitable for line temperatures up to 220°F (104°C) on applications requiring bonded seams and joints. When the adhesive is applied to large flat or curve surfaces, it is suitable for temperatures up to 200°F (93°C).

ILLCO #	SIZE
1651764	1/2 PT.
1651766	1 PT.
1651768	1 QT.
1651770	1 GAL.



## R-374 PROTECTIVE FINISH

Water-based acrylic resin coating which has been specially formulated for application to elastomeric insulation surfaces. Can also be applied to polyolefin insulation surfaces in low traffic areas. This white coating provides a fast-drying, high gloss protective finish for both indoor and outdoor installations. Flexible coating which offers excellent resistance to the harmful effects from the ultraviolet rays of the sun.

ILLCO #	SIZE
1651760	1 GAL.



# REFRIGERATION TECHNOLOGIES



## BIG BLU® LEAK DETECTOR

BIG BLU is a strong and persistent film forming liquid that has excelled in the field identification of gas leaks. It remains, the only bubble/foam indicator capable of detecting micro gas leakage down to 0.65 ounces per year. SUPER BLU has a temperature rating of -30 to 200F. It will maintain a uniform viscosity over this range and still remain resistant to evaporation on hot discharge lines.

ILLCO #	RT #		SIZE
9996300	RT100S	Big Blu	1 QT.
9996302	RT100G	Big Blu	1 GAL.
9996304	RT150S	Super Blu	1 QT.



## NYLOG® SEALANT

NYLOG renders a strong, flexible, lubricative glaze that prevents high pressure leakage through refrigeration gaskets and threaded fittings. NYLOG never hardens and always remains temperature and vibration resilient.

ILLCO #	RT #	FOR USE WITH	SIZE
9996306	RT200R	Mineral or Alkyl-Benzene Oil Systems	30mL
9996307	RT201B	Synthetic Oil Systems	30mL



## VIPER COIL DEGREASER

Viper is a potent degreasing compound which does not contain any hazardous ingredients or give off toxic fumes. The Aerosol injector produces a pin spray of rich penetration foam that drives deep into the coil body. The foam will liquify and drain after a few minutes removing heavily embedded grease and grime.

ILLCO #	RT #	SIZE
9996312	RT375A	18 OZ.



# X-PANDO PRODUCTS



## PIPE JOINT COMPOUND

Expands as it sets, insuring a tight leak proof joint as well as correcting imperfections in pipe threads, flanges and other metal surfaces. Corrects burred or mutilated threads. Accommodates fittings from numerous manufacturers with different size threads. Recommended for use on joints of most kinds of pipes (will cause discoloration on unanodized aluminum). Tasteless, odorless, and non-toxic - contains NO lead or asbestos. Manufactured without the use of ozone depleting substances.

ILLCO #	SIZE
9990300	1 LB.



## NASHUA® 357 PREMIUM DUCT TAPE

Superior tensile strength. Clean release - resists delamination. Tears straight, hangs straight, curl resistant. Outstanding performance over a wide range of temperatures. Preferred by professional contractors who demand a consistent, trouble-free product.

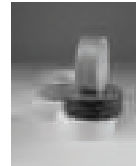
ILLCO #	COLOR	SIZE
1689490	Grey	2" X 60 YD.
1689500	Black	2" X 60 YD.



## POLYKEN® 227 DUCT TAPE

Contractor grade duct tape. Bonds to all types of surfaces. Easily applied. Will not twist or curl. Meets UL 723.

ILLCO #	COLOR	SIZE
1689551	Grey	2" X 60 YD.
1689552	Black	2" X 60 YD.



## POLYKEN® 223 MULTI-PURPOSE DUCT TAPE

Good tensile strength. Good adhesion and tack. Conformable and will not twist or curl during application. Meets UL 723.

ILLCO #	COLOR	SIZE
1689553	White	2" X 60 YD.



## POLYKEN® 826 CORROSION CONTROL TAPE

Economically priced 12 mil tape. Excellent conformability to irregular surfaces. High dielectric strength. Moisture resistant. Tough, pressure sensitive adhesive system unaffected by cold. Uniformly aggressive bond of tape-to-metal at operating temperatures of -30°F to 140°F. Ambient application temperature -30°F to 140°F. Tape to metal can be cold applied. We recommend Polyken 1027 Primer be used in conjunction with this product.

ILLCO #	COLOR	SIZE
1689555	Yellow	4" X 100'



## POLYKEN® 1027 ADHESIVE

Polyken 1027 liquid adhesive system is ideal for slower machine application to rough, reconditioned, or grit-blasted pipe surfaces. It provides a uniformly smooth, instant tack surface for Polyken coating systems. Polyken 1027 is also used for all hand brush applications.

ILLCO #	SIZE
1689801	1 QT

# VENTURE TAPE



## COOLER REPAIR TAPE

Venture's Cooler Repair Tape is a problem solver for refrigeration contractors. This product, available in silver or white, is for repairing air leaks in seams and corners of coolers, freezers and refrigerated display cases. Ideally suited for the food and beverage industry. Made with a mold resistant, cold weather acrylic adhesive, 1577CW will work in all conditions.

ILLCO #	VENTURE #	COLOR	SIZE
1689614	1577CW-W	White	4" X 15 YD.
1689610	1577CW-E	Silver	4" X 15 YD.



## 1506 REFRIGERATION TAPE

Designed to seal the seams of foam pipe insulation in refrigeration applications or outdoor line sets. 1507 features a UV resistant film & adhesive, and is a direct replacement for cloth duct tape.

ILLCO #	COLOR	SIZE
1689600	Black	2" X 60 YD.



## 1581A FOIL TAPE

2.0 mil high temperature, high tensile strength aluminum foil coated with an extremely aggressive all weather solvent acrylic pressure sensitive adhesive. Conformable foil applies easily to both fibrous and sheet metal ducts on flat and irregular surfaces.

ILLCO #	SIZE
1689556	2" X 50 YD.

## LOCTITE #1 GASKET SEALANT

Reliable paste-like gasket sealant/dressing/coating. Sets quickly to a hard set and is recommended for rigid, permanent assemblies. Use to 400°F. Resistant to gasoline and other solvents.

ILLCO #	SIZE
9992496	3 OZ.



## #2 GASKET SEALANT

Reliable paste-like gasket sealant/dressing/coating. Sets more slowly to a pliable film best suited for non-rigid, vibrating assemblies. Use to 400°F. Resistant to gasoline and other solvents.

ILLCO #	SIZE
9992499	3 OZ.
9992500	11 OZ.



# MUELLER INDUSTRIES

## SAND CLOTH

ILLCO #	MUELLER #	ROLL SIZE
4079001	A-3382	30'

## ABRASIVE MESH CLOTH

ILLCO #	MUELLER #	ROLL SIZE
4079002	A-1215	15'

## CLEANING PADS

ILLCO #	MUELLER #	SIZE
4079000	A-1210	4" X 6"

# SERVICE GASES



ILLCO #		GAS	TANK SIZE
9981000	Exchange	Acetylene	MC
9981001	Tank Only	Acetylene	MC
9981100	Exchange	Acetylene	B
9981101	Tank Only	Acetylene	B
9981120	Exchange	Acetylene	WQ
9981121	Tank Only	Acetylene	WQ
9981200	Exchange	Oxygen	R
9981201	Tank Only	Oxygen	R
9981220	Exchange	Oxygen	Q
9981221	Tank Only	Oxygen	Q
9981300	Exchange	CO <sub>2</sub>	5 LB.
9981301	Tank Only	CO <sub>2</sub>	5 LB.
9981400	Exchange	CO <sub>2</sub>	10 LB.
9981401	Tank Only	CO <sub>2</sub>	10 LB.
9981500	Exchange	CO <sub>2</sub>	15 LB.
9981501	Tank Only	CO <sub>2</sub>	15 LB.
9981600	Exchange	CO <sub>2</sub>	20 LB.
9981601	Tank Only	CO <sub>2</sub>	20 LB.
9981690	Exchange	Nitrogen	20 CU. FT.
9981691	Tank Only	Nitrogen	20 CU. FT.
9981700	Exchange	Nitrogen	40 CU. FT.
9981701	Tank Only	Nitrogen	40 CU. FT.
9981710	Exchange	Nitrogen	80 CU. FT.
9981711	Tank Only	Nitrogen	80 CU. FT.