



National Chemicals

Meeting All Your HVACR Needs!



Great Chemistry! Great Results!



Select Products

COIL CLEANERS

PG 4

ALKALINE (NON-ACID FOAMING)

Alka Kleen
Kleen Foam

ECO-FRIENDLY (GREEN) COIL CLEANERS

Mini-Split Cleaner
Kleen Safe
Evap Plus

DETERGENT BASED

Kleen Coil

ACID (FOAMING)

Kleen Brite

NEW PRODUCT

Mini-Split Cleaner



AEROSOL PRODUCTS

PG 5

COIL CLEANERS

Blast Kleen
Kleen Foam Aero
Evap kleen
ACE® Evap-Gard Plus

INSECTICIDE PRODUCTS

ACE® Wasp & Hornet Spray

CONTACT CLEANER

Electric Contact Cleaner

LUBRICANT

Silicone Spray

DEGREASER

HD Degreaser

BONDING SPRAY

Spray Adhesive

CONDENSATE PAN REPAIR

Pan Patch



COMPARISON / USAGE CHART

PG 6-7

LEAK DETECTION / PROTECTION

PG 8

LEAK DETECTORS

Blue
Ice Blue
Clear
Flourescent

LEAK SEALANTS

EZ Leak-Stop
EZ Leak-Stop Liquid Kit



ICE MACHINE CLEANER / IAO PRODUCTS

PG 9

ICE MACHINE CLEANER

ACE® Ice-Gard Ice Machine Sanitizer
Nickel-Safe Ice Machine Cleaner

PREMIUM DRAN PAN TREATMENTS

Pan Clean Tabs
ACE® Pan Protector

STANDARD DRAIN PAN TREATMENTS

Detergent Tabs



REFRIGERANT LINE FLUSHING

PG 10

AC/R FLUSHING SOLVENT

Kleenflush
Kleenflush Liquid
Kleenflush Starter Kit
Kleenflush 2 lb Pack
Kleenflush Accessories
Liquid Kleenflush Kit



FLUSH/COOLING TOWER PRODUCTS

PG 11

INTERNAL COIL CLEANER

Internal Refrigeration Coil System Cleaner
Cascade & Complex System Internal Coil Cleaner

SCALE REMOVER

Scale Dissolver & Inhibitor
Limeout
Condenser Cleaner
Quick Kleen Descaler Kit

CLOSED LOOP CLEANER & TREATMENT

Closed System Cleaner
Closed System Treatment



SPECIALTY PRODUCTS/ACCESSORIES

PG 12

OIL PRODUCTS

Zoom Spout Oiler
Zoom Spout Rust Buster

SPRAYERS & PUMPS

Sprayers & Accessories
Hand Pump

HAND & FOOT PROTECTION

Black Mamba Nitrile Gloves
Black Mamba Shoe Covers
Black Mamba Torque Grip Gloves



ACCESSORIES

PG 13

MAINTENANCE & SAFETY

White Terry Towel
Shop Towels
One Tuff Wiping Cloth
Huck (Surgical Towels)

THREADED PIPE PRODUCTS

Pipe Dope
Pipe Seal

PVC CEMENT/INSULATION ADHESIVES

Wet/Dry PVC Cement
PVC Primer/Cleaner
PVC Cement



INSULATION


PG14

INSULATION PRODUCTS

Cork Insulation
Foam Insulation Tape
Sealing Gum & Cords



For further product use instructions/information, refer to the Product Data Sheets or SDS Sheets at www.nrproducts.com, or call 800-352-6951.

 Denotes DOT hazardous product subject to UPS/FedEx shipping surcharges.

ALKALINE (NON-ACID) FOAMING



ALKA KLEEN

A concentrated, strong foaming alkaline coil cleaner and degreaser. It's formulated to provide cleaning and brightening performance comparable to acid-based coil cleaners without the danger of hydrofluoric acid.

For Professional/Industrial Use Only.

AN1GNC	1 gallon	4/cs
AN2GNC	2.5 gallon	2/cs
AN55GNC	55 gallon	drum



KLEEN FOAM

A powerful, high foaming alkaline coil cleaner and degreaser. It is formulated to provide cleaning and brightening performance comparable to acid-based coil cleaners without the danger of hydrofluoric acid.

For Professional/Industrial Use Only.

KF1GNC	1 gallon	4/cs
KF2GNC	2.5 gallon	2/cs
KF55GNC	55 gallon	drum

ECO-FRIENDLY (GREEN) COIL CLEANERS



KLEEN SAFE

Environmentally friendly condenser coil cleaner recognized for "Safer Chemistry." concentrated non-foaming, neutral pH cleaner and degreaser that is ideal for educational, health care and residential applications. **Safe to use on micro channels and soft surface cleaning applications.**

KS1GNC	1 gallon	4/cs
KS2GNC	2.5 gallon	2/cs
KS55GNC	55 gallon	drum



OEM Approved formula...deemed safe and approved for use to clean micro-channels.



EVAP PLUS

Ready-to-use, spray-on, foaming, non-rinse, neutral pH coil cleaner. Formulated with a unique blend of "environmentally-friendly" surfactants and solvent to clean and remove grease, grime, oil and other contaminants from external surfaces of mechanical parts such as evaporators, heat pump units and permanent air filters. Recognized for "Safer Chemistry."

EPIQ	32 oz Spray bottle	12/cs
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OEM Approved formula...deemed safe and approved for use to clean micro-channels.

DETERGENT BASED



KLEEN COIL

Concentrated alkaline based detergent coil cleaner registered with NSF for use in food processing plants. Non-foaming cleaner formulated especially for use on multi-row evaporator coils in heating and air conditioning units, permanent-type and electronic air filters as well as heat pump units. Ideal for removing grease, tobacco tars and other stubborn deposits.

KN1GNC	1 gallon	4/cs
KN2GNC	2.5 gallon	2/cs
KN55GNC	55 gallon	drum

OEM Approved formula...deemed safe and approved for use to clean micro-channels.

ACID (FOAMING)



KLEEN BRITE

Concentrated hydrofluoric acid based condenser coil cleaner manufactured for use on aluminum finned heating and cooling coils. Designed to create a high foam cleaning and brightening action that will return dirty coils to a "like new" appearance.

For Professional/Industrial Use Only.

KB1GNC	1 gallon	4/cs
KB2GNC	2.5 gallon	2/cs
KB55GNC	55 gallon	drum



NEW PRODUCT

MINI-SPLIT CLEANER

Ready-to-use, environmentally friendly, foaming, non-rinse coil cleaner with a neutral pH manufactured from ingredients which have been OEM approved as safe for use on aluminum evaporator coils.

MSC1Q	32 oz	12/cs
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COIL CLEANERS



BLAST KLEEN
 Non-flammable, quick drying solvent based aerosolized condenser coil cleaner formulated to instantly penetrate and remove grease, oil, dirt and lint deposits from condenser coils to quickly improve air flow and increase condenser efficiency.

N4880 20 oz can (net fill 18 oz) 6/cs



KLEEN FOAM AERO
 High foaming, non-acid, alkaline-based cleaner and brightener for use on exterior air cooled aluminum finned heating and cooling coils. Formulated with the most effective cleaning detergents and surfactants available today. Designed to quickly and easily degrease, clean and brighten coil surfaces.

N4895 20 oz can (net fill 19 oz) 6/cs



EVAP KLEEN
 Heavy foaming alkaline cleaner suitable for use on cooling and heating coils to remove grease, oil, grime and other contaminants. Can be used as a non-rinse cleaner on coils where condensation is produced. Simply spray on and condensation will wash away the emulsified material. Ideal for difficult to reach areas such as window units, refrigerator coils, evaporators and condensers.

N4890 20 oz can (net fill 19 oz) 6/cs

OEM Approved formula...deemed safe and approved for use to clean micro-channels.



ACE® EVAP-GARD PLUS
 EPA registered disinfectant cleaner, specifically manufactured for use on small air conditioner cooling coils and refrigeration equipment, refrigerator or freezer evaporative coils to help control certain bacteria, mold and mildew on pre-cleaned, hard non-porous surfaces.

EPA#1839-84-7909
EGP 20 oz can (net fill 18 oz) 6/cs

INSECTICIDE PRODUCTS CONTACT CLEANER



ACE® WASP & HORNET SPRAY
 EPA registered tetramethrin aerosol insecticide with a unique propellant and aerosol valve system that shoots a stream 20 feet. The unique propellant and valve system allows the product to be sprayed at the same pressure throughout the life of the can.

EPA#7754-44-7909
WHA 20 oz can (net fill 14 oz) 6/cs



ELECTRIC CONTACT CLEANER
 Fast drying, non-conductive formulation that leaves no residue and is compatible with many component metals. Blasting spray easily cleans oil, flux and other contaminants from contacts, printed circuit boards, switches, electric motors and electronic precision instruments.

N4830 16 oz can (net fill 10 oz) 6/cs

LUBRICANT DEGREASER



SILICONE SPRAY
 A colorless odor-less aerosol that is heat stable and non-staining. Formulated specifically for the food and textile industries. Medium viscosity formula provides light lubrication to a wide variety of surfaces, machinery and applications. In food processing or preparation areas, this product is ideal for use as a lubricant with incidental food contact when used in compliance with 21 CFR 178.3570.

N4840 16 oz can (net fill 11 oz) 6/cs



HD DEGREASER
 Heavy duty, concentrated degreasing solution that dissolves grease, grime, oil, and other oil-based contaminants from a variety of substrates. For use on mechanical parts, electrical equipment, refrigeration systems, oil burner parts and much more. Safe on metals and complies with CA VOC regulations for degreasing cleaners.

NDS170Z 20 oz can (net fill 15 oz) 6/cs

BONDING SPRAY CONDENSATE PAN REPAIR



SPRAY ADHESIVE
 High solid, non chlorinated, waterproof, flexible, transparent, non staining, spray adhesive for both temporary and permanent bonding.

N4820 20 oz can (net fill 12 oz) 6/cs



PAN PATCH
 Non-chlorinated, durable, rubberized, flexible spray-on coating designed to seal out rust and corrosion. One can will cover approximately 12-15 sq. ft applied in two thin coats.

N4875 20 oz can (net fill 16 oz) 6/cs



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MATCH THE RIGHT CLEANER WITH THE CLEANING JOB

COIL CLEANER SELECTION GUIDE



KleenFoam



AlkaKleen



KleenBrite



KleenCoil



KleenSafe



Evap-Plus



EvapKleen



BlastKleen



KleenFoam Aero

APPLICATION

Condenser Coils	•	•	•	•	•	•	•	•	•
Evaporator coils	•	•	•	•	•	•	•	•	•
Permanent Air Filters									
Electronic Air Filters									
Small Condensers	•		•						•
Small Evaporators									•
Fan Blades, Motors									•
Rubber Rooftop Units*									•

CONTAMINANTS

Grease Dirt & Oil	•	•	•	•	•	•	•	•	•
Cooking Grease/Oil	•	•	•	•	•	•	•	•	•
Dirt and Grime	•	•	•	•	•	•	•	•	•
Lint/Dust	•	•	•	•	•	•	•	•	•
Oxide Deposits	•	•	•	•	•	•	•	•	•
Cottonwood	•	•	•	•	•	•	•	•	•
Dead Bugs	•	•	•	•	•	•	•	•	•

PROPERTIES

Foaming	•	•	•	•	•	•	•	•	•
Brightening	•	•	•	•	•	•	•	•	•
Degreasing	•	•	•	•	•	•	•	•	•
Non-Rinsing (Evaporators)	•	•	•	•	•	•	•	•	•
Biodegradable	•	•	•	•	•	•	•	•	•
NSF Registered	•	•	•	•	•	•	•	•	•
Safer Choice Registered	•	•	•	•	•	•	•	•	•

** Rubber Roofs - extreme caution must be used when cleaning a/c units on rubber roofs. Any coil cleaner or wash off water coming in contact with rubber surfaces must be washed off immediately
 ** Dirty Socks Odors - clean evaporator coil as usual, then flood surface with Evap-Guard. Leave on surface for 8-10 minutes then flush off with water.



COIL CLEANING COMPARISON CHART



	KleenFoam	AlkaKleen	KleenBrite	KleenCoil	KleenSafe	Evap-Plus	EvapKleen	BlastKleen	KleenFoam Aero
Color	Brown	Blue/Purple	Pink	Green	Green	Green	White	Clear	Brown
Description	Alkaline	Alkaline	Acid	Alkaline	Neutral	Neutral	Alkaline	Solvent	Alkaline
pH	13.00-13.50	13.25-13.60	1.00-1.05	12.70-13.20	8.00-9.00	7.00-8.00	8.00-10.00	ND	13.0-13.5
Primary Equipment to be Cleaned	Condenser Coils	Condenser Coils	Condenser Coils	Evaporator Coils Evaporators, Permanent Condensers, Permanent Filters	Evaporator Coils Evaporators, Permanent Condensers, Permanent Filters	Evaporator Coils	Evaporators	Evaporators/Condensers	Air Cooled Condenser
Contaminants	Dirt/Grease	Dirt/Grease	Dirt/Scale	Dirt/Dander	Oil/Grease/Soils	Oil/Grease/Soils	Dirt/Grease/Soils	Grease/Oil	Dirt/Grease
Dilution Rate	3 or 4-1	3 or 4-1	3-1	3-1, 7-1	3-1, 7-1	RTU	RTU	RTU	RTU
Contact Time	5-7 minutes	5-7 minutes	5-7 minutes	5-7 minutes	3-7 minutes	5-10 minutes	5-10 minutes	5-7 minutes	5-7 minutes
Rinse Required	YES	YES	YES	YES No @ 7-1 if Condensate Rinsate	YES No @ 7-1 if Condensate Rinsate	N/A	YES	NO	YES
Hard H2O Tolerance	Excellent	Excellent	Excellent	Very Good	Excellent	Excellent	Excellent	Excellent	Excellent
Biodegradable	YES	YES	YES	YES	YES	YES	YES	YES	YES
Features	Cleans, brightens penetrating strong foam NSF Registered	Cleans, brightens penetrating high foam NSF Registered	Cleans, brightens high foam	Detergent Cleaner NSF Registered	Safer Choice Cleaner Metal safe. Ideal for Microchannels NSF Registered	Safer Choice Cleaner Metal safe. Ideal for Microchannels NSF Registered	Safe for Microchannels NSF Registered	Biodegradable	Cleans, Brightens NSF Registered
National Chemicals Equivalent to Nu-Calgon	AlkaBrite Plus	NuBrite	CalBrite	CalClean Coil Power C	GreenKlean	No Equal	EvapFresh No Rinse Black Hawk	NuBlast	NuBrite
Diversitech	Pro Brown	Pro Blue	Pro Klean	Pro Green	Eco Coil	No Equal	Foam Plus	Saf N Klean	No Equal
Parker	Foam Max	Alki Foam	Acti-Brite	Acti-Klean	No Equal	No Equal	Coil Clean	Blast-A-Coil	No Equal
Ace	Foam N' Clean	Acebrite	Supreme Coil Cleaner	Evap-Klean Non-Rinse	Eco-Power	Evap-Klean Plus	Foaming Coil Cleaner	Power Blast	Foam N' Clean Aero

LEAK DETECTORS



BLUE

NC Blue Leak Detector is a high quality, NSF registered and "Safer Chemistry" surfactant-based gas leak detector solution. When applied, NC Blue Leak Detector is capable of detecting even the smallest leaks as well as larger sized leaks. Formulated to produce a strong, long lasting bubble that will allow extended detection time.

NCB 32 oz spray bottle 6/cs
NCBG 1 gallon 4/cs



ICE BLUE

NC Ice Blue Leak Detector is a high quality, low temperature, NSF registered gas leak detector solution. When applied, NC Ice Blue Leak Detector is capable of detecting microscopic leaks as well as larger sized leaks at very low temperatures. Will produce a strong, long-lasting bubble that will continue to regenerate itself allowing extended detection time.

NCIB 32 oz spray bottle 6/cs
NCIBG 1 gallon 4/cs



CLEAR

A high viscosity dauber applied leak detector formulated without a dye. Ideal for use to detect microscopic leaks on lines where a dye may cause staining issues.

NLDC 8 fl oz bottle 12/cs



FLUORESCENT

A high viscosity, dauber applied leak detector formulated with a fluorescent dye specifically designed for use to detect microscopic leaks on lines in poorly lit areas.

NLDF 8 fl oz bottle 12/cs

LEAK SEALANTS



EZ LEAK-STOP

A blend of POE oil and various polar additives. The oil in the formula is non-polar while the additives are polar by nature. When injected into a leaking system, the sealant mixes with the oil/refrigerant and rushes to the source of the leak. The smaller molecules in the oil/refrigerant escape first while the larger molecules in the additives, being polar in nature and larger in particle size, are attracted to each other and then forced under "cohesive pressure" to form a flexible bond/barrier at the site of the leak. The additives in the formula are designed to offer on-going protection from future corrosive leaks while also lubricating seals in the system.

NLSK kit w/hose 12/cs
NLSR refill only 12/cs



EZ LEAK-STOP LIQUID KIT

A refillable liquid sealant system that is simple, easy and cost effective to use. Contains a liquid injector and a metered bottle of sealant which can easily be measured out subject to the size of the unit being treated. When added to the injector the liquid is then introduced to the system in the manner as dye or oil when employing any inline injector unit. 1 fl oz will treat up to 3 tons.

ASEZLK kit sold individually
ASEZL refill 8 oz 6/cs

ICE MACHINE TREATMENT



ICE MACHINE CLEANER

Heavy-duty, all-purpose, phosphoric acid based scale remover formulated to remove scale and sludge deposits from ice-making, dishwashers, coffee urns, stainless steel and aluminum equipment, hot water kettles, etc. Registered by NSF for use in food processing areas.

NIMC 8 fl oz bottle 12/cs
NIMC1G 1 gallon 4/cs



ACE® ICE-GARD ICE MACHINE SANITIZER

EPA registered quaternary ammonium compound that is formulated to sanitize ice machines, food processing equipment and other hard surfaces in food contact locations. Formulated to sanitize and control slime build up in ice-machines refrigerated storage and other hard non-porous surfaces.

AIG 16 fl oz 12/cs
AIG1 1 gallon 4/cs



NICKEL-SAFE ICE MACHINE CLEANER

NSF registered nickel and metal safe ice machine cleaner formulated from a combination of food grade acids and manufactured to be safe for use on nickel and copper plated evaporators. Designed to quickly remove scale and other mineral deposits that can be easily flushed out of the system without clogging lines.

NS16OZ 16 fl oz 12/cs
NS1G 1 gallon 4/cs

»TECH TIP

Proper air filtration and clean coils are important features of any good Indoor Air Quality program. In addition, it is important to ensure that the wet confines of the condensate drain pan are protected against microbial growth.

Pan Protector (TR) are widely used by maintenance departments in school systems, airports, hospitals, hotel chains, etc., throughout the U.S. as part of a comprehensive Indoor Air Quality program.

It is important to clean drain pans thoroughly before using any Drain Pan Treatment. Drain Pan Treatments are designed to keep drain pans clean and odor free. In addition, all Drain Pan Treatments contain corrosion inhibitors to prevent rust in metal drain pans.

STANDARD DRAIN PAN TREATMENTS



DETERGENT TABS (DTJR)

Easy-to-use slow dissolving cleaners that maintain humidifiers, condensate drains and pans in good working order while reducing odors. Formulated for use in food processing factories. Tablet size 5/8"x1/4". Computer room safe.

NJRDT 200 tabs/bottle 12 bottles/cs



DETERGENT TABS (DT)

Larger size drain pan tablets for commercial/industrial applications. Slow dissolving formula. Helps reduce odor and keeps pans in good working order. Tablet size 1-3/4"x1/4". Computer room safe. One tablet treats approximately 3.5 tons of system.

NLDT2 15 tabs/bottle 12 bottles/cs
NLDT10 75 tabs/bucket 4 buckets/cs

PREMIUM DRAIN PAN TREATMENTS



PAN-CLEAN TABS (PCT)

Forms a gel-like substance after coming into contact with condensate water that locks product in place on pan. Slowly releases cleaning agents for up to six months - thereby ensuring block and odor-free drain lines. Completely dissolves to ensure no waste disposal problems. Computer room safe.

PCT3 treats under 3 tons
 12 tabs/bottle - 12 bottles/cs

PCT7 treats up to 7.5 tons
 8 tabs/bottle - 12 bottles/cs

PCT15 treats up to 15 tons
 4 tabs/bottle - 12 bottles/cs



ACE® PAN PROTECTOR (TR)

An EPA registered product that easily fits into most air conditioners or refrigerator drip pans. With its controlled release action, ACE® pan protectors can control bacteria, mold, mildew, slime and algal growth for up to 6 months maintaining clean water and inhibiting the foul odors and blockages caused by mildew and microbial growth. Contains odor counteractants to provide a pleasant odor, as it works. EPA# 68114-1-07909

TR14 treats 1 ton or less
 packed individually - 120/cs total

TR28 treats up to 2 tons
 packed individually - 100/cs total

TR65 treats 5 tons or less
 packed individually - 80/cs total

TR150 treats 10 tons or less
 packed individually - 48/cs total

TR300 treats up to 25 tons
 packed individually - 24/cs total

TR300D treats up to 50 tons
 packed individually - 12/cs total



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AC/R FLUSHING SOLVENT

Kleenflush is a powerful, non-flammable solvent used for flushing contaminants in AC/R systems. Designed to be used after burnouts and during retrofits/oil changes. It will remove acid, carbon particles, metal particles and dirt from improper assembly or repairs, while carrying excess moisture out of the system. Leaves no residue and is safe for use with systems using all oils and refrigerants. The addition of carbon dioxide is unique and allows greater flushing force when the aerosol can is nearly empty. Must be used at temps. above 60° Fahrenheit.



KLEENFLUSH 1LB CAN

Kleenflush 1 lb aerosol can will clean a 3-4 ton system or 1-2 line sets.

1NCKFS 16 oz can



KLEENFLUSH 2LB CAN

Kleenflush 2 lb aerosol can. Will clean a 5-7 ton system or 3-4 line sets.

2NCKFS 28.2 oz can



KLEENFLUSH LIQUID

Liquidflush 16 fl oz liquid can. Kleenflush solvent without HFC-134a and carbon dioxide. Will clean a 3-4 ton system or 1-2 line sets.

NCLKFS16 16 fl oz can



KLEENFLUSH STARTER KIT

Kleenflush starter kit includes one can actuator, one 24" yellow hose, one flush injection tool and one 1 lb aerosol can. Will clean a 3-4 ton system or 1-2 line sets.

NCKFSKIT 1 box



KLEENFLUSH 2LB PACK

Kleenflush combo pack. Includes one can actuator and two 2 lb Kleenflush aerosol cans.

NCKFSPAK 1 pack



KLEENFLUSH ACCESSORIES

KFIT	flush injection gun	1/pack
KFCA	can actuator	1/pack
KFITT	replacement tip	1/pack
N24Y	replacement hose	1/pack



LIQUID KLEENFLUSH KIT

Liquidflush kit with its new and improved chemistry will flush a contaminated HVAC/R system quickly and economically. This stronger, fast acting flush does not require the need for access valves and manifold gauges. Will clean a 25 ton system with the use of dry nitrogen (not included). 24" yellow hose and flush gun included.

NCLKFSKIT 1 box

INTERNAL COIL CLEANER



INTERNAL REFRIGERATION COIL SYSTEM CLEANER

This unique product will clean the interior of coil lines in refrigeration or air conditioning systems after a compressor burnout and/or before a new compressor is installed. Will clean refrigerant recovery, recycling and/or reclaim equipment as well as all refrigeration and air conditioning mechanical parts. CFC free, biodegradable, nonflammable, non-chlorinated, low V.O.C. leaves no residue and will not contaminate oil or refrigerant.

CF20 1 gallon 2/cs



CASCADE & COMPLEX SYSTEM INTERNAL COIL CLEANER

CF-40 is designed specifically for cleaning the interior coils of cascade, super low temperature and other systems with complex configurations. V.O.C. exempt and will evaporate completely and fast. Safe on painted surfaces, leaves no residue behind and is nonflammable. Can be vented into the atmosphere.

CF40 1 gallon 4/cs

SCALE REMOVER



SCALE DISSOLVER & INHIBITOR

Non-foaming, hydrochloric acid-based scale remover. Formulated with corrosion inhibitors to protect against attack on iron, steel, copper and brass. Designed for fast and safe removal of scale and corrosion and the mechanical cleaning of algae deposits from cooling towers, condensers, evaporative condensers, closed chilled water systems and other heat exchange equipment.

NSR1G 1 gallon 4/cs
NSR5G 5 gallon 1 pail



LIMEOUT

Lime Out is an industrial strength, acid-based "descaler." Lime Out is designed to remove built-up scale and mineral deposits from ice machines and equipment. It is a general purpose scale remover that will not generate fumes. Will clean rust stains and can be used on brass, copper, steel, stainless steel, wood, glass, plastic and rubber.

LIMEOUT 1 gallon 4/cs



CONDENSER CLEANER

Original acid detergent powder is inhibited against chemical attack on iron, galvanizing, brass and copper etc. Removes scale, rust and sludge. 10 lbs. of CC-10 treats 50 gallons of water.

CC10-40 10 lb box 4/cs
CC10-50 50 lb box
CC10-100 100 lb box



QUICK KLEAN DESCALER KIT

Easy to use system designed to quickly dissolve water scale, lime rust and other water formed deposits that can build up in heat exchangers, heaters, tank-less water heaters and any other appliances where flow passages must be kept free of mineral deposits. Will significantly improve efficiency, conserve energy, reduce energy costs and extend the life of equipment. Available separately in 32 oz quart refill.

QKK sold individually
QKD-32 32 oz 6/cs

CLOSED LOOP CLEANER & TREATMENT



CLOSED SYSTEM CLEANER (CSC)

Non-acid cleaner suitable for use in hot and chilled water systems to remove sludge and accumulations of rust and corrosion. Use at a rate of 1 gallon to 200 gallons water and allow to circulate for up to 10 days before draining. After the system has been cleaned, it is recommended that Closed System Treatment (CST) be used to prevent future build-up of corrosion and rust. **Also for hot water boilers.**

CSC1 1 gallon 4/cs
CSC5 5 gallon



CLOSED SYSTEM TREATMENT (CST)

Non-chromate liquid controls rust and corrosion in hot and chilled water systems and hot water boilers. Compatible with anti-freeze solutions and is authorized for use in federally inspected meat and poultry plants by the USDA. Use at a ratio of 1 gallon to 120 gallons water. Product will remain in the system.

CST1 1 gallon 4/cs
CST5 5 gallon



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OIL PRODUCTS



ZOOM SPOUT OILER

All purpose turbine oil for use on electronic motors, bushings, tools, linkages, hinges, heaters, bearings, air conditioners, engines, fans, switches, shafts etc. A paraffin base/non gumming, rust and oxidation inhibited oiler. Withstands high temperature, and ideal for heaters, blowers and electric motor bearings.

D01 1 zoom spout bottle 12/cs



ZOOM SPOUT RUST BUSTER

Loosens rusty or corroded parts in seconds. Rust Buster quickly frees "frozen" fittings, bolts, nuts, shafts, bushings etc. Ideal for hard-to-reach spots. It has no lingering color.

DR1 1 zoom spout bottle 12/cs

SPRAYERS & PUMPS



SPRAYERS & ACCESSORIES

Orange HDPE translucent tank. Poly flow control wand and nozzle for resistance to common acids. Suggested application: acid based chemicals, herbicides, pesticides, cleansers and maintenance solutions.

- N1998** ½ gallon sprayer (buna seal)
- N1985** ½ gallon sprayer (viton seal)
- N1992A** 2 gallon sprayer
- N1993A** 3 gallon sprayer
- 1910V** repair kit for N1985
- 1911V** Viton O-Ring kit for N1985
- 955690** nozzle body for N1985
- N956090** poly nozzle for N1985
- N1910SGV** repair kit for 2 & 3 gallon sprayer (Seals, gasket, plunger cup)
- N1913PB** repair kit for 2 & 3 gallon sprayer (Hose, flow control, tube, & rod)
- N4768Q** 1 qt hand held clear spray bottle



HAND PUMP

With Max Flo oil hand pump you can smoothly pump oil into the compressor on the down stroke while the system is under pressure. This makes pumping easier with a positive stroke. The automated bleed valve with no moving parts equalizes pressure inside and outside of the oil container. Pumps against 200 PSI pressure. Compatible with all oil types (synthetic-mineral-polyester). Will fit all 1, 2-1/2 and 5 gallon containers.

NFP Max Flo oil pump

HAND & FOOT PROTECTION



BLACK MAMBA NITRILE GLOVES

Patented nitrile polymer with over 6 mil black nitrile. Two-ply fusion strength with superior chemical resistance. Fully textured with grip rite finish. Made to be tough for the task at hand.

- NGM medium** 100 gloves/ box
- NGL large** 100 gloves/ box
- NGXL x-large** 100 gloves/ box
- NGXXL 2x-large** 100 gloves/ box



BLACK MAMBA SHOE COVERS

Mamba trax shoe covers. Heavy duty grade shoe cover that fits up to 18" work boot. Premium package design eliminates waste.

NSC 25 pairs/ box



BLACK MAMBA TORQUE GRIP GLOVES

Powder free industrial strength nitrile gloves with raised torque grip. Finished at up to 10.25 mil thickness at torque grips, allowing for unsurpassed grip.

NGTG 25 pairs/ box

MAINTENANCE & SAFETY



WHITE TERRY TOWEL

Grade A standard 13"x 12" extra absorbent cotton terry towels that are washable and and reusable. Pre washed for softness and absorbency.

ACE10700 #5 box (approx 25 towels)
ACE10750 12 pack cellophane wrap



ONE TUFF WIPING CLOTH

High performance wipe made from patented Dupont Sontra technology. Reusable, solvent resistant, high performing, super tough wipe is bigger, more durable and less expensive to use per task than paper.

ACE84075 75 wipes per box



SHOP TOWELS

Reusable hand towels.

N1200 cotton rags 5/bag
N3125 shop towel 10/bag



HUCK (SURGICAL) TOWELS

Pre-washed lint-free 100% cotton "huck" towel with sewn edges for durability (16x24)

NHTB #5 box (net 4# of towels)

THREADED PIPE PRODUCTS



PIPE DOPE

Brush-in-can, yellow, non-hardening, non-toxic pipe joint compound for use on all metals, ABS, PVC, CPVC, etc. Does not contain lead or silicone.

APD 8 oz 24/cs
APD16 16 oz 12/cs

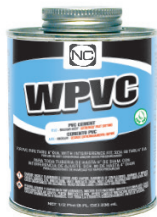


PIPE SEAL

Teflon-based, brush-in-can, non hardening, white pipe compound for use on metal and plastic threaded connections. Does not contain lead or silicone. VOC 356.4 G/L.

TPD8 8 oz 24/cs
TPD16 16 oz 12/cs

PVC CEMENT/INSULATION ADHESIVES



WET/DRY PVC CEMENT

Extremely fast drying, blue medium bodied PVC Cement recommended for wet and/or quick pressurization conditions. Suitable for joining PVC pipe and fittings for all class and schedule pipe up to 6" circumference, schedule 60 up to 4". VOC < 510 G/L. Ideal temp. 40°-110°F.

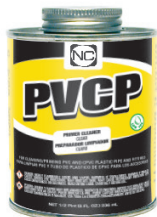
NWPVC8 8 oz 24/cs
NWPVC16 16 oz 12/cs



PVC CEMENT

Dauber-in-cap, regular bodied medium-to fast setting PVC cement for PVC pipes and fittings. Suitable for use for schedule 40 and 80 pipes up to 4" diameter. Low VOC < 510 G/L. VOC < 510 G/L. Ideal temp. 40°-110°F.

NPVC8 8 oz 24/cs
NPVC16 16 oz 12/cs



PVC PRIMER/CLEANER

Clear, dauber-in-cap formula cleans, primes and softens pipe and fittings prior to application of solvent for secure bonding of surfaces. Clear in color.

PVCP8 8 oz 24/cs
PVCP16 16 oz 12/cs



For further product use instructions/information, refer to the Product Data Sheets or SDS Sheets at www.nrproducts.com, or call 800-352-6951.



Denotes DOT hazardous product subject to UPS/FedEx shipping surcharges.

INSULATION PRODUCTS

CORK INSULATION



NRP cork insulation tape will prevent condensation and dripping of cold pipes. Cork insulation tape can be used in a wide range of applications for wrapping cold or hot pipes, valves and fittings from -20°F to +160°F. NRP cork insulation tape assures you easy and long lasting installation. Tape stays flexible to -20°F and no extra adhesives are needed. NRP rubberized cork tape adheres firmly to metal and to itself.

SPECIFICATIONS:

Composition: synthetic rubber-asphalt
Filler: cork, contains no asbestos
Solids: approximately 99.8% (ASTM C771-74)
Color: black (ASTM 01729-69)
Weight: approximately 6 Lbs.
Water Absorption: 0.02% (ASTM 1056)
Thermal Conductivity: 1.26 BTU/hr.(sq.ft.) (°F/in.) (ASTM C177-76)
Temperature Range: -20°F to+ 190°F

NRP1 30' roll, 1/8" thick, 2" wide 12/cs

FOAM INSULATION TAPE



NRP foam insulation tape will prevent pipe condensation when used as recommended. Can be used in a wide range of applications for wrapping cold and hot pipes, valves and fittings up to 180°F. NRP foam insulation tape assures you an easy and long lasting installation because of its specially formulated adhesive. NRP pressure sensitive tape adheres firmly to metal and to itself.

PHYSICAL PROPERTIES

Thermal Conductivity: 0.27 K Factor. (ASTM C 177)
Water Absorption, by Volume: 0.2% (ASTM C 209)

THICKNESS TO PREVENT PIPE SWEAT

Air Temperature & Relative Humidity	Pipe Temperature	
	50°F	35°F
80°F & 50% RH	Single Layer	50% Overlap
50°F & 70% RH	50% Overlap + Single Layer	50% Overlap + 50% Overlap

N5 30' roll, 1/8" thick, 2" wide 12/cs

INSULATION

SEALING GUM & CORDS



NRP sealing gum and cords can be easily pressed in place by hand to seal out air and moisture. NRP sealing gum adheres to clean and dry wood, metal, plastic and glass. It can also be painted.

APPLICATIONS

NRP sealing gum and cords are designed to seal refrigeration cabinets and display cases as well as around room air conditioners. It can also be used in a number of commercial or industrial applications to seal metal buildings, trailers and mobile homes, etc.

SPECIFICATIONS:

Base: non-drying, synthetic polymers
Filler: inert materials
Color: off-white/grey
Weight: 13 Lbs.
High Resistance to: water, water vapor, physical shock, temperature (service range -30°F to +220°F), mild acids and bases.
Excellent Adhesion to: wood, metal, plastic and glass.
Consistency: soft, pliable, thumbable. Consistency is tested with standard penetrometer according to ASTM 0217 using 300 gram cone.
Cone Penetration, 5 seconds @ 77°F: 11.0-15.0 mm. Modeling clay, a material of similar consistency, tests 6.2. The higher readings show greater penetration and a softer material.

NRP2 sealing gum, 2 lb. slug/box 24/cs
NRP38 sealing cord, 3/8" bead, 25' 12/cs



NATIONAL REFRIGERATION PRODUCTS

A Complete Line of High Quality Refrigerant Recovery and Recycling Equipment, Products & Accessories



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