

ECG[®]

Chemical Products

COMPLETE LINE



NTE[®]
ELECTRONICS, INC.



ECG[®]

Chemical Products

Professional Quality

- **New and Improved Formulations**
- **CFC/HCFC Free Chemicals**
- **Color-Coded Aerosol Caps**
 - Black – Industrial Use Only**
 - White – General Use**
- **Full Spectrum Cleaners**
- **Developed and Manufactured to Industrial Standards**

INTRODUCTION

Today's electronics industry requires a diverse line of products for manufacturing, maintenance, and upkeep. The selection of the correct specialty product for a particular application may be a difficult proposition. This product guide provides detailed applications, descriptions and compatibility information for each product. Also, color-coded caps, Black (Industrial) and White (General) are quick indicators for use.

Environmental concerns are one of the leading issues facing the industry today. NTE Electronics, Inc. has set a goal to reduce and/or eliminate ozone depleters from their products while maintaining and improving performance. The inclusion of CFC/HCFC free chemicals is another step closer to that goal.

Whether for electronics manufacturing, maintenance, or upkeep, NTE Electronics, Inc. offers an extensive line of high quality ECG[®] chemical products and accessories to serve your needs.

NTE[®]
ELECTRONICS, INC.

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RX100

Antistatic Circuit Refrigerant

- For fast tracking of thermal intermittents
- Protector for static sensitive devices
- CFC and HCFC free



Part No. RX100-10 • 10 oz. Aerosol

APPLICATIONS:

For Industrial and General Use

- Hot-cold intermittent testing of electronic components
- Rapid detection of defective parts
- Locating hairline cracks in PCBs
- Protecting parts during soldering
- Cold testing of prototype circuits
- Minimal static voltage generation
- Freezes small areas to -62°F (-52°C)
- Cools molds quickly; rapid removal of adhesives

RX100 is an inert, high-purity freezing agent which cools instantly, with very little spray. It protects static sensitive devices from potential damage caused by electrostatic charges. Safe to use on most rubber, polymers, and metals. It vaporizes completely, is nonflammable, nonconductive and does not leave a residual film.

RX201

141b Alternative

Electronics Degreaser & Wash

- Cleans electronic parts quickly and safely
- Universal cleaner
- Non aggressive
- Improved formulations



Part No. RX201-16 • 16 oz. Aerosol

APPLICATIONS:

For Electronic/Electrical Industrial Use Only

Quickly removes grease, oils, dirt, oxidation, ionics and other contaminants from:

- Electrical and electronic equipment
- Electromechanical assemblies
- Medical equipment
- Magnetic tape heads
- Potentiometers, rheostats
- Telecommunications equipment
- PC boards, modules, components
- Office equipment
- Relays, solenoids, circuit breakers
- Connectors, contacts, switches

RX201 is a blend of advanced solvents which quickly and safely removes dirt, grease, particulates and other contaminants from electronic/electrical parts and equipment.

NTE303

Silicone Heat Sink Compound

- Non-reactive
- Thermally conductive



Part No. NTE303 • 1 Gram Tube



Part No. NTE303A • 1 oz. Plunger

APPLICATIONS:

NTE303/303A is a non-reactive, silicone, thermally conductive grease with a high thermal conductivity and low thermal resistance with a soft, non-flowable consistency. The product is formulated with specialty binding agents to achieve the lowest amount of bleed and evaporations. It is designed for applications where a silicone thermal interface material is required and where the device may later need to be easily removed from the heat sink.

- Good thermal performance (0.80W/m²k)
- Low interface thermal resistance (0.05°C-In²/W)
- Thin bond lines to ≤ 1 mil
- Low bleed and evaporation
- Non-toxic
- Reworkable/easy to remove
- Easy to apply by dispensing or screen printing/stencil

RX401

**141b
Alternative**

Electronics Contact Cleaner, Degreaser & Wash

- Non-flash cleaner
- Fast acting
- Reduces arcing and noise
- Evaporates quickly
- Improved formulation



Part No. RX401-16 • 16 oz. Aerosol

APPLICATIONS:

For Electronic/Electrical Industrial Use Only

Quickly removes grease, oils, solder oils, dust and other contaminants from:

- Standard and precious metal contacts
- Motor controls, starters
- Distribution panels
- Electromechanical assemblies
- Switches, contacts, connectors
- Potentiometers, rheostats
- Relays, solenoids, circuit breakers

RX401 is a blend of advanced solvents forming a fast acting cleaner for use on electrical/electronic contacts and controls. It reduces arcing and noise caused by oxidation and other contaminants, which prevent good electrical continuity. Evaporates quickly and leaves no residue.

RX401

NTE424

Non-Silicone Heat Sink Compound

- Low interface thermal resistance
- High thermal conductivity/
High dielectric strength
- Will not harden, dry out or melt
- Non-toxic
- Meets MIL-C-47113 & MIS-19846 specs



Part No. NTE424 • 1 oz. Plunger

APPLICATIONS:

A grease-like non-silicone, non-migrating material heavily impregnated with heat-conductive metal oxides. This formulation provides high thermal conductivity, low bleed and high temperature stability.

Use:

- As a high-voltage corona suppressant/non-flammable coating in connections for flyback transformers
- Couples entire heat generating assemblies to chassis
- Mounting semiconductor devices
- Thermolectric modules
- Heat transfer medium on ballasts
- Thermal joints
- For any devices where cooling is required
- Thermocouple wells
- Mounting power resistors

NTE424 has been engineered to solve the problems of contamination and migration associated with silicone-based products. A unique poly synthetic-based thermal grease is used to insure quick, efficient heat transfer and dissipation for the full operational life of your hardware. Will not contaminate solder bath or other devices. Reworkable/easy to remove as well as easy to dispense.

NTE424

RX500

Electronics Contact Cleaner with Lube

- Protects against corrosion
- Lubricates
- Stops corrosion



Part No. RX500-12 • 10 oz. Aerosol

APPLICATIONS:

For Electronic/Electrical Use Only

Quickly removes grease, oils, solder oils, fluxes, oxidation, dirt, and other contaminants. CFC and HCFC Free

Use on:

- Standard and precious metal contacts
- Connectors
- Contacts
- Motors, controls, starters
- Switches
- Distribution panels
- Electromechanical assemblies
- Potentiometers, rheostats
- Relay, solenoids, circuit breakers

RX500 is a fast acting cleaner with lube for use on electronic/electrical contacts and controls. It reduces arcing and noise caused by oxidation and other contaminants (which prevents good electrical continuity) and protects against further corrosion. This product is not recommended for acrylic, polystyrene or polycarbonate materials. Always test in an inconspicuous area before use.

RX500

RX1100

Jet Air Cleaner

- Removes lint and dust
- Contains HFC-134a
- CFC and HCFC free



Part No. RX1100-10 • 10 oz. Aerosol

APPLICATIONS:

For Industrial and General Use

- PC boards
- Disks, tapes, film
- Office machines
- Micro-miniature assemblies
- Computers
- Keyboards
- Magnetic tape heads
- Servo mechanisms

RX1100 is a general purpose, high pressure, compressed gas which removes dust, lint, oxide particles and other dry contaminants from hard-to-reach places. Completely dry, inert, nonflammable and nonabrasive.

RX1100

RX1152

Economy Jet Air Cleaner

- Removes lint and dust
- Contains HFC-152a
- CFC and HCFC free
- Non-ozone depleting
- Safe on plastics
- VOC exempt



Part No. RX1152-10 • 10 oz. Aerosol

APPLICATIONS:

For Industrial and General Use

- PC boards
- Disks, tapes, film
- Office machines
- Micro-miniature assemblies
- Computers
- Keyboards
- Magnetic tape heads
- Servo mechanisms

RX1152 is a general purpose, high pressure, compressed gas which removes dust, lint, oxide particles and other dry contaminants from hard-to-reach places. Completely dry, inert, and nonabrasive.

RX1152

RX1401

141b
Alternative

Heavy Duty Cleaning Solvent

- Fast removal of grease, oils and oxidation
- Leaves no residue
- Improved formulation
- Non-flammable



Part No. RX1401-16 • 16 oz. Aerosol

APPLICATIONS:

For Electronic/Electrical Industrial Use Only

Use on:

- Electronics metal degreasing
- Cleaning electromechanical assemblies and parts
- Degreasing motors, pumps and generator parts
- Removing oxidation from relays, solenoids and circuit breakers
- Rework of electrical and electronic equipment/parts

RX1401 is a strong cleaning and degreasing agent. It is effective in removing contaminants from a broad range of equipment and parts. Leaves no residue.

RX1401

RX1500

Isopropyl Alcohol General Purpose Cleaner



- Non-Ozone Depleting
- Safe on Plastics
- Rapidly Evaporating
- Zero Residue
- Non-Corrosive

Part No. RX1500-100 • 100 pre-saturated wipes in pop up dispenser

APPLICATIONS:

For Industrial and General Use

Isopropyl Alcohol General Purpose Cleaner RX1500 is a 99.6% pure, anhydrous isopropanol for general purpose cleaning.

Good for use on:

- Tape Head Cleaning
- Removal of Fluxes
- Oils

RX1500

RX1800

Computer Glass & Enclosure Cleaner



- CFC and HCFC free
- Antistatic enclosure and glass cleaner
- Nonstreaking
- Improved formulation
- Strong foaming action
- Removes film and nicotine

Part No. RX1800-18 • 18 oz. Aerosol

APPLICATIONS:

For Industrial and General Use

- CRT's
- Office Equipment
- Copiers/Fax machines
- Bar code readers
- Keyboards
- Monitors
- Point of sale terminals

RX1800 effectively cleans, polishes, and provides antistatic protection for computer terminal CRT display screens and other glass and plastic surfaces. Nonstaining, nonstreaking, and fast-drying. Excellent for cleaning scopes, dials, and other read-out faces. Do not use on plastic coated or nylon mesh antiglare screens. Safe for use on most materials and surfaces not harmed by water. Safe on most plastics.

RX1800

RX1900

General Duty Defluxer



- Non-Ozone Depleting
- Safe on Most Plastics
- Rapidly Evaporating
- Zero Residue

Part No. RX1900-4 • 4 oz. Aerosol
Brush attachment included

APPLICATIONS:

For Industrial and General Use

General Duty Defluxer RX1900 is a blend of advanced solvents and alcohols making it an excellent defluxer which is safe on most plastics while rapidly evaporating. The flux remover dissolves type R, RMA, SA, and most no-clean fluxes.

Can be used to remove:

- Light Oils
- Silicones
- Waxes
- Similar Contaminants

RX1900

RX2100

Hydroentangled Cellulose/Polyester C-Fold Wipes



- **Extremely Low Particle Generation**
- **Ultra Low Chemical Extractables**
- **No Chemical or Thermal Binders**
- **Excellent Strength Wet or Dry**
- **Resistant to Rot and Mildew**
- **Extra Absorbent**
- **Static Free**
- **Non-Raveling**
- **Non-Abrasive**
- **Resistant to Solvents**
- **Non-Allergenic**

Part No. RX2100-48 • 48 (9"x9") wipes

APPLICATIONS:

For Industrial and General Use

RX2100 Hydroentangled Cellulose/Polyester C-Fold Wipes are manufactured to yield low particle generation and soluble extractables with the least amount of abrasiveness. The wipes are processed under precise quality control methods.

Use on:

- Clean Room Maintenance
- Solvent and Aqueous Absorbent
- Dislodgement of Heavy Soils
- Static Free Environments

RX2100

RX2200

Silicone Lubricant



- **Penetrates Rapidly**
- **Cleans and Lubricates**
- **Non-Ozone Depleting**

Part No. RX2200-10 • 10 oz. Aerosol

APPLICATIONS:

For Industrial and General Use

Silicone Lubricant RX2200 is a multi-purpose, silicone lubricant that provides a thin, non-staining protective barrier. The rapidly penetrating formula eliminates sticking, squeaking, and seizing. Safe on most plastics and paints.

Features:

- General Purpose
- Non-Staining
- Waterproofs

RX2200

RX3200

Electronics Wash



- **Superior penetrating action**
- **CFC & HCFC free**
- **Leaves no residue**
- **Improved formulation**

Part No. RX3200-12 • 12.5 oz. Aerosol

APPLICATIONS:

For Industrial and General Use

Quickly removes oxidation, grease, oils, dirt, ionics and other contaminants from:

- Electrical and electronic equipment
- PC boards
- Relays and controls
- Connectors and contacts
- Business equipment
- Potentiometers and rheostats
- Motors and brushes
- Switches

RX3200 is a highly effective general purpose wash for electronic and electrical equipment. Unique wetting and penetrating action removes oxidation, dirt, grease and other contaminants. Cleans and degreases inaccessible areas and penetrates cracks and crevices. Safe for use on most plastics, paints and elastomers.

RX3200

RX7000

Professional Quality Butane Fuel

- Non-Clogging
- Works Immediately
- CFC and HCFC Free



Part No. RX7000 • 5 oz. Aerosol

APPLICATIONS:

For Industrial, Commercial, and General Use

Uses:

- Soldering irons/torches
- Lighters
- Heat guns
- Curling wands

RX7000 Professional Quality Butane Fuel features:

- Precision filler spout adapts to all refillable butane products
- Will work immediately in very cold weather where other brands take a while to heat up
- FDA & Pharmaceutical approved and can be used around food where other brands of butane cannot

RX7000

RX166

Strawkeepers

- Keeps straw attached to variety of containers
- Maintains straw under extreme conditions
- Extremely durable material



Part No. RX166 • Strawkeeper

APPLICATIONS:

For Industrial and General Use

RX166 Strawkeeper keeps straw attached to container, so you will never lose your straw again.

Use for:

- Repair Services, Mechanical, Industrial, Electrical, Refineries, Chemical Plants, Home Use and more

RX166

Distributed by:

ECG®

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EL36-01