

# ECG<sup>®</sup>

## Chemical Products

COMPLETE LINE



**NTE<sup>®</sup>**  
ELECTRONICS, INC.





# ECG<sup>®</sup>

## ***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 or 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<sup>®</sup> chemical products and accessories to serve your needs.*

**NTE<sup>®</sup>**  
**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

### Electronics Degreaser & Wash

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

NEW 141b Alternative



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:

The 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/m<sup>2</sup>k)
- Low interface thermal resistance (0.05°C–in<sup>2</sup>/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**

## Electronics Contact Cleaner, Degreaser & Wash

**NEW 141b  
Alternative**

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

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

**NEW!**

- 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 fly back transformers
- Coupling entire heat generating assemblies to chassis
- Mounting semiconductor devices
- Heat transfer medium on ballasts
- For any devices where cooling is required
- Mounting power resistors
- Thermoelectric modules
- Thermal joints
- Thermocouple wells

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 • 12 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
- Motors, controls, starters
- Distribution panels
- Potentiometers, rheostats
- Connectors
- Switches
- Electromechanical assemblies
- Relay, solenoids, circuit breakers
- Contacts

RX500-12 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
- Nonabrasive
- CFC and HCFC free



Part No. RX1100-10 • 10 oz. Aerosol

#### APPLICATIONS:

##### For Industrial and General Use

- PC boards
- Disks, tapes, film
- Offices machines
- Microminiature 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

## RX1401

### Heavy Duty Cleaning Solvent

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

NEW 141b Alternative



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. RX1500-16 • 16 oz. Plastic Bottle  
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. RX1500 comes either in a 16 oz. plastic bottle or 100 presaturated wipes.

##### Good for use on:

- Tape Head Cleaning
- Removal of Fluxes
- Oils

# RX1500

**RX1700**

**NEW!**

## Smoke Alarm Tester

- Photoelectric and Ionization Testers
- Non-Flammable
- Portable Container



Part No. RX1700-2.5

### APPLICATIONS:

*For Electronic/Electrical Industrial Use*

*Quickly aids in testing smoke alarms.*

- Photoelectric and ionization testers
- Portable container
- Quickly sounds alarm
- Safe on plastics
- Non-Flammable
- Vertical actuator
- Non-ozone depleting

RX1700 has a unique vertical actuator that sprays a cloud of simulated smoke, which sets off smoke alarms. The particles are similar in size and density to smoke, insuring proper testing of photoelectric and ionization based detectors. Meets NFPA criteria and works on UL® recognized detectors.

**RX1700**

**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 and rapidly evaporates. 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. RX2200-14 • 14 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.*

*Use on:*

- General Purpose
- Non-Staining
- Waterproofs

# RX2200

## RX2600

### Label & Adhesive Remover

- Penetrates Rapidly
- Non-Ozone Depleting
- Safe on Most Plastics
- Natural Solvent
- High Flash Point

Part No. RX2600-P • Pen

Part No. RX2600-6 • 4.5 oz. Aerosol



#### APPLICATIONS:

*For Industrial and General Use*

*Label & Adhesive Remover RX2600 is a specially formulated, hydrocarbon cleaner that safely removes labels and adhesive gums from equipment and products. Effectively removes gummy residue, labels, stickers, ink marks, and other contaminants. RX2600 comes in pen or 4.5 oz. can.*

*Use on:*

- Safe for use on most plastics

# RX2600

## 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
- Relays and controls
- Business equipment
- Motors and brushes
- PC boards
- Connectors and contacts
- Potentiometers and rheostats
- 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

**NEW!**



Part No. RX7000-EXT

Part No. RX7000 • 5 oz. Aerosol

#### APPLICATIONS:

##### For Industrial, Commercial, and General Use

##### Use on:

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

##### RX7000 Professional Quality Butane Fuel features:

- Precision filler spout adapts to all refillable butane products
- NTE butane 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



## ECG® CHEMICALS PRODUCT INDEX

Category	Part No.	Description	CFC Free	HCFC Free	Net Wt. (oz.)
Cleaners & Degreasers	RX1800-18	Computer Glass & Enclosure Cleaner	•	•	18
	RX1401-16	Heavy Duty Cleaning Solvent	—	—	16
Electronic Cleaners & Washes	RX3200-12	Electronics Wash	•	•	12.5
	RX201-16	Electronics Degreaser & Wash	—	—	16
Contact Cleaners	RX500-12	Electronics Contact Cleaner w/Lube	•	—	12
	RX401-16	Electronics Contact Cleaner, Degreaser & Wash	—	—	16
Butane Fuel	RX7000	Professional Quality Butane Fuel	•	•	5
Circuit Refrigerants	RX100-10	Antistatic Circuit Refrigerant	•	•	10
Dusters	RX1100-10	Jet Air Cleaner	•	•	10

## LIMITED WARRANTY

ECG® Chemical products sold are warranted against defects in materials and workmanship and to perform per label description, provided they are used according to label instructions and in a manner consistent with normal and acceptable work practices. Applications shown are for guidance only and applicability must be determined by the user. Since we have no control over the application our liability is strictly limited to credit or replacement of defective products. In no event will NTE Electronics, Inc. be liable for consequential damages nor for an amount in excess of the current purchase price of the defective ECG® items.

The foregoing states the complete warranty with respect to ECG® Chemical products. All other warranties, written, oral, expressed or implied including MERCHANTABILITY or fitness for a particular purpose are excluded. In no event will NTE Electronics, Inc. be liable to or through buyer for any indirect, special, or consequential damages.

**ECG®**  
**Chemical Products**

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