



INVERTER

Panasonic[®]

Operating Instructions

Steam Convection Microwave Oven

Model: NN-CS597S

READ ALL INSTRUCTIONS CAREFULLY BEFORE USING THE OVEN.

Para instrucciones en español, voltee el libro.

For assistance, please call: 1-800-211-PANA(7262)
or send e-mail to: consumerproducts@panasonic.com
or visit us at www.panasonic.com

(U.S.A)

For assistance, please call: 787-750-4300
or visit us at www.panasonicpr.com

(Puerto Rico)

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Microwave Oven Safety

Your safety and the safety of others are very important.

We have provided important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol. It is used to alert you to potential hazards that can kill or hurt you and others.

The safety messages will follow the safety alert symbol and either the word "DANGER", "WARNING" or "CAUTION". These words mean:

 **DANGER**

You can be killed or seriously injured if you don't immediately follow instructions.

 **WARNING**

You can be killed or seriously injured if you don't follow instructions.

 **CAUTION**

You can be exposed to a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

The safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.



PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
 - (1) door (bent),
 - (2) hinges and latches (broken or loosened),
 - (3) door seals and sealing surfaces.
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

Thank you for purchasing a Panasonic Microwave Oven.

Your microwave oven is a cooking appliance and you should use as much care as you use with a stove or any other cooking appliance. When using this electrical appliance, basic safety precautions should be followed, including the following:



IMPORTANT SAFETY INSTRUCTIONS



WARNING

— To reduce the risk of burns, electric shock, fire, injury to persons, or exposure to excessive microwave energy:

1. Read all instructions before using this appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY," found on page 1.
3. This appliance must be grounded. Connect only to a properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 5 and 6.
4. As with any cooking appliance, **DO NOT** leave oven unattended while in use.
5. Install or locate this appliance only in accordance with the installation instructions found on page 5.
6. **DO NOT** cover or block any openings on this appliance.
7. **DO NOT** store this appliance outdoors. **DO NOT** use this product near water— for example, near a kitchen sink, in a wet basement, or near a swimming pool or similar locations.
8. Use this appliance only for its intended use as described in this manual. **DO NOT** use corrosive chemicals, vapors, or non-food products in this appliance. This type of oven is specifically designed to heat, or cook food. It is not designed for industrial or laboratory use. The use of corrosive chemicals in heating or cleaning will damage the appliance and may result in radiation leaks.
9. When cleaning surfaces of the door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
10. **DO NOT** allow children to use this appliance, unless closely supervised by an adult. **DO NOT** assume that because a child has mastered one cooking skill he/she can cook everything.
11. **DO NOT** operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
12. **DO NOT** immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. **DO NOT** let cord hang over edge of a table or counter.
15. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service center for examination, repair or adjustment.
16. Some products such as whole eggs with or without shell, narrow neck bottles and sealed containers — for example, closed glass jars — may explode and should not be heated in this oven.
17. To reduce the risk of fire in the oven cavity:
 - (a) **DO NOT** overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - (b) Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - (c) **If material inside the oven ignites, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.**
 - (d) **DO NOT** use the cavity for storage purposes. **DO NOT** leave paper products, cooking utensils or food in the cavity when not in use.
18. **Superheated Liquids**

Liquids, such as water, coffee, or tea are able to be overheated beyond the boiling point without showing evidence (or signs) of boiling. Visible bubbling is not always present when the container is removed from the microwave oven. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A UTENSIL IS INSERTED INTO THE LIQUID.

⚠ IMPORTANT SAFETY INSTRUCTIONS *(continued)*

To reduce the risk of injury to persons:

- (a) **STIR THE LIQUID BOTH BEFORE AND HALFWAY THROUGH HEATING IT.**
 - (b) **DO NOT heat water and oil, or fats together. The film of oil will trap steam, and may cause a violent eruption.**
 - (c) **DO NOT** use straight-sided containers with narrow necks.
 - (d) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
19. **DO NOT** cook directly on the glass tray. It can crack, cause injury or damage to the oven.

⚠ WARNING

TO AVOID THE RISK OF SHOCK:

DO NOT remove outer panel from oven. Repairs must be done only by a qualified service person.

TO REDUCE THE RISK OF EXPOSURE TO MICROWAVE ENERGY:

DO NOT tamper with, or make any adjustments or repairs to Door, Control Panel Frame, Safety Interlock Switches, or any other part of oven, microwave leakage may result.

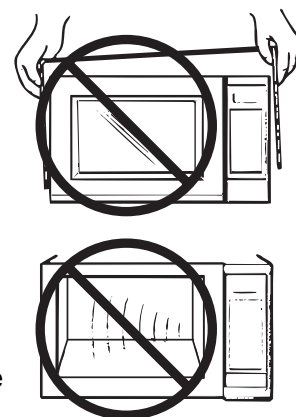
TO AVOID THE RISK OF FIRE:

1. **DO NOT** operate the oven empty. The microwave energy will reflect continuously throughout the oven causing overheating and damage, if food or water is not present to absorb energy.
2. **DO NOT** store flammable materials next to, on top of, or in the oven.
3. **DO NOT** dry clothes, newspapers or other materials in the oven, or use newspaper or paper bags for cooking.
4. **DO NOT** hit or strike Control Panel. Damage to controls may occur.
5. **DO NOT** use recycled paper products unless the paper product is labeled as safe for microwave oven use.

Recycled paper products may contain impurities which may cause sparking.

TO AVOID THE RISK OF SCALDING:

POT HOLDERS should always be used when removing items from the oven. Heat is transferred from the HOT food to the cooking container and from the container to the Glass Tray. The Glass Tray can also be very HOT after removing the cooking container from the oven.



SAVE THESE INSTRUCTIONS

For proper use of your oven, read remaining safety cautions and operating instructions.

⚠ IMPORTANT SAFETY INSTRUCTIONS *(continued)*

⚠ WARNING

1. The door seals and door seal areas should be cleaned with a damp cloth. The appliance should be inspected for damage to the door seals and door seal areas and if these areas are damaged the appliance should not be operated until it has been repaired by a service technician trained by the manufacturer.
2. Do not attempt to tamper with or make any adjustments or repairs to the door, control panel housing, safety interlock switches or any other part of the oven. Do not remove the outer panel from the oven which gives protection against exposure to microwave energy.
Repairs should only be done by a qualified service technician.
3. Do not operate this appliance if it has a damaged CORD OR PLUG, if it is not working properly, or if it has been damaged or dropped. It is dangerous for anyone other than a service technician trained by the manufacturer to perform repair service.
4. If the supply cord of this appliance is damaged, it must be replaced with the special cord available from the manufacturer.
5. Do not use the water tank if it is cracked or broken, as leaking water could result in electrical failure and danger of electric shock. If the water tank becomes damaged, please contact your dealer.
6. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Young children should be supervised to ensure that they do not play with the appliance.

7. Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use, including escaping steam. To prevent burns, ensure that children do not touch either the hot inner surfaces or the hot outer casing after operation of the oven.

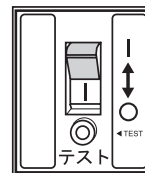


WARNING: This appliance produces boiling hot steam.

8. Liquids and foods must not be heated in sealed containers since they are liable to explode.

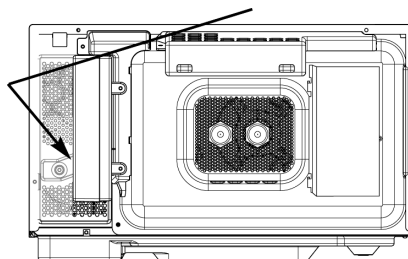
Operating the circuit breaker

If the oven is not operating correctly, please check the position of the breaker switch. If the switch is at the 'O' position, please position it to the 'I' position. If the switch does not return to the 'I' position, please contact your dealer.



Testing the circuit breaker

To ensure that the breaker is in working order, please test it regularly by pressing the 'TEST' key. Testing it once a month is recommended. Press the 'TEST' key when the oven is switched on. If the switch does not go back to 'O', please contact your dealer.



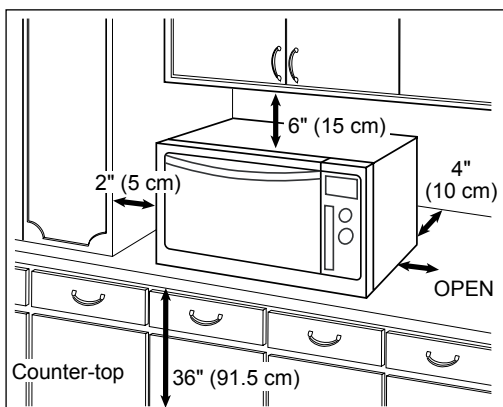
⚠ INSTALLATION AND GROUNDING INSTRUCTIONS

Examine Your Oven

Unpack oven, remove all packing material and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if oven is damaged. **DO NOT** install if oven is damaged.

Placement of Oven

1. The oven must be placed on a flat, stable surface, which is 36" (91.5 cm) height from the ground. Place the front surface of the door three inches or more from the counter top edge to avoid accidental tipping of the microwave oven during normal use. For correct operation, the oven must have sufficient air flow. **Allow 6" (15 cm) of space on the top of the oven, 4" (10 cm) at the back, 2" (5 cm) on the left and the other side being open. If one side of the oven is placed flush to wall, the other side or top must not be blocked. Do not remove feet.**



- a) **DO NOT** block air vents. If they are blocked during operation, the oven may overheat and be damaged. Also allow sufficient space on back and both sides of the oven.
 - b) **DO NOT** place oven near a hot or damp surface such as a gas stove, electric range or sink etc.
 - c) **DO NOT** operate oven when room humidity is too high.
2. This oven was manufactured for household use only. It is not approved or tested for mobile vehicle, marine, or commercial use.

Installation

DO NOT block air vents. If they are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable until it has been serviced and the safety switch is reset.

⚠ WARNING

— IMPROPER USE OF THE GROUNDING PLUG CAN RESULT IN A RISK OF ELECTRIC SHOCK.

Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

! INSTALLATION AND GROUNDING INSTRUCTIONS *(continued)*

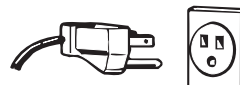
Grounding Instructions

THIS APPLIANCE MUST BE GROUNDED. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

- **Plug into properly installed and grounded 3 prong outlet.**
- **DO NOT remove ground prong.**
- **DO NOT use an adapter.**

Power Supply

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. Longer cord sets or extension cords are available and may be used if care is exercised in their use. **DO NOT** let cord hang over edge of a table or counter.
3. If a long cord or extension cord is used, (1) the marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance, (2) the extension cord must be a grounding-type 3-wire cord, and (3) the longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over accidentally.



Wiring Requirements

1. The oven must be operated on a SEPARATE CIRCUIT. No other appliance should share the circuit with the microwave oven. If it does, the branch circuit fuse may blow or the circuit breaker may trip.
2. The oven must be plugged into at least a 20 AMP, 120 VOLT, 60 Hz GROUNDED OUTLET. Where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the consumer to have it replaced with a properly grounded three-prong outlet.
3. The VOLTAGE used must be the same as specified on this microwave oven (120 V, 60 Hz). Using a higher voltage is dangerous and may result in a fire or oven damage. Using a lower voltage will cause slow cooking. Panasonic is NOT responsible for any damages resulting from the use of the oven with any voltage other than specified.

TV / Radio Interference

1. Operation of the microwave oven may cause interference to your radio, TV or similar equipment.
2. When there is interference, it may be reduced or eliminated by taking the following measures:
 - (a) Place the radio, TV, etc. away from the microwave oven as far as possible.
 - (b) Use a properly installed antenna to obtain stronger signal reception.
 - (c) Clean door and sealing surfaces of the oven. (See Care and Cleaning of Your Microwave Oven)

Fan Motor Operation

After using the oven repeatedly or for long time, the fan may operate to cool the electric components. This is perfectly normal, and you can take out the food from the oven while the fan operates.



Safety Precautions

Follow These Safety Precautions When Cooking in Your Oven.

IMPORTANT

Proper cooking depends upon the power, the time setting and quantity of food. If you use a smaller portion than recommended but cook at the time for the recommended portion, fire could result.

1) HOME CANNING / STERILIZING / DRYING FOODS / SMALL QUANTITIES OF FOODS

- **DO NOT** use your oven for home canning. Your oven cannot maintain the food at the proper canning temperature. The food may be contaminated and then spoil.
- **DO NOT** use the microwave oven to sterilize objects (baby bottles, etc.). It is difficult to keep the oven at the high temperature needed for sterilization.
- **DO NOT** dry meats, herbs, fruits or vegetables in your oven. Small quantities of food or foods with low moisture content can dry out, scorch or catch on fire if overheated.

2) POPCORN

Popcorn may be popped in a microwave oven corn popper. Microwave popcorn which pops in its own package is also available. Follow popcorn manufacturers' directions and use a brand suitable for the cooking power of your microwave oven.

CAUTION: When using pre-packaged microwave popcorn, you can follow recommended package instructions or use the popcorn program in Auto Menu. Otherwise, the popcorn may not pop adequately or may ignite and cause a fire. Never leave oven unattended when popping popcorn. Allow the popcorn bag to cool before opening, always open the bag facing away from your face and body to prevent steam burns.

3) DEEP FAT FRYING

- **DO NOT** deep fat fry in your microwave oven. Cooking oils may burst into flames and may cause damage to the oven and perhaps result in burns. Microwave utensils may not withstand the temperature of the hot oil, and can shatter or melt.

4) FOODS WITH NONPOROUS SKINS

- **DO NOT COOK/REHEAT WHOLE EGGS, WITH OR WITHOUT THE SHELL.** Steam buildup in whole eggs may cause them to explode, and possibly damage the oven or cause injury. Reheating SLICED hard-boiled eggs and cooking SCRAMBLED eggs is safe.
- **Potatoes, apples, whole squash and sausages** are examples of foods with nonporous skins. These types of foods must be pierced before microwave cooking to prevent them from exploding.

CAUTION: Cooking dry or old potatoes can cause fire.

5) GLASS TRAY / COOKING CONTAINERS / FOIL

- Cooking containers get hot during microwaving. Heat is transferred from the HOT food to the container and the Glass Tray. Use pot holders when removing containers from the oven or when removing lids or plastic wrap covers from cooking containers, to avoid burns.
- The Glass Tray will get hot during cooking. It should be allowed to cool before handling or before paper products, such as paper plates or microwave popcorn bags, are placed in the oven for microwave cooking.
- When using foil in the oven, allow at least 1-inch (2.5 cm) of space between foil and interior oven walls or door.
- Dishes with metallic trim should not be used, as arcing may occur.



Safety Precautions

(continued)

6) PAPER TOWELS / CLOTHS

- **DO NOT** use paper towels or cloths which contain a synthetic fiber woven into them. The synthetic fiber may cause the towel to ignite. Use paper toweling under supervision.

7) BROWNING DISHES / OVEN COOKING BAGS

- Browning dishes or grills are designed for microwave cooking only. Always follow instructions provided by the manufacturer. **DO NOT** preheat browning dish more than 6 minutes.
- If an oven cooking bag is used for microwave cooking, prepare according to package directions. **DO NOT** use a wire twist-tie to close bag, instead use plastic ties, cotton string or a strip cut from the open end of the bag.

8) THERMOMETERS

- **DO NOT** use a conventional meat thermometer in your oven. Arcing may occur. Microwave safe thermometers are available for both meat and candy.

9) BABY FORMULA / BABY FOOD

- **DO NOT** heat baby formula or baby food in the microwave oven. The glass jar or surface of the food may appear warm while the interior can be so hot as to burn the infant's mouth and esophagus.

10) REHEATING PASTRY PRODUCTS

- When reheating pastry products, check temperatures of any fillings before eating. Some foods have fillings which heat faster and can be extremely hot, while the surface remains warm to the touch (ex. Jelly Donuts).

11) GENERAL OVEN USAGE GUIDELINES

- **DO NOT** use the oven for any reason other than the preparation of food. This oven is specifically designed to heat or cook food. **DO NOT** use this oven to heat chemicals or other non-food products.
- Before use, check that utensils/containers are suitable for use in microwave ovens.
- **DO NOT** attempt to use this microwave oven to dry newspaper, clothing or any other materials. They may catch fire.
- When the oven is not being used, **DO NOT** store any objects other than oven accessories inside the oven in case it is accidentally turned on.
- The appliance shall not be operated by MICROWAVE or COMBINATION WITHOUT FOOD IN THE OVEN.
Operation in this manner may damage the appliance. Exception to this is point 1 under heater operation or pre-heating on CONVECTION with enamel or wire shelf.
- If smoke or a fire occurs in the oven, press Stop/Cancel pad and leave the door closed in order to stifle any flames. Disconnect the power cord, or shut off power at the fuse or the circuit breaker panel.
- During and after cooking with steam function, do not open the oven door when your face is very close to the oven. Care must be taken when opening the door as steam may cause injury.
CAUTION!: Steam may billow out when you open the door. If there is steam in the oven, do not reach in with your bare hands! Risk of burns! Use oven gloves.



Safety Precautions

(continued)

12) Heater Operation

- Before using CONVECTION, COMBINATION or GRILL function for the first time, wipe excessive oil off in the oven cavity and operate the oven without food and accessories on CONVECTION 250°C, for 10 minutes. This will allow the oil that is used for rust protection to be burned off.
This is the only time the oven is used empty.
- Exterior oven surfaces, including air vents on the cabinet and the oven door will get hot during CONVECTION, GRILL or COMBINATION involving CONVECTION, GRILL or STEAM functions. To prevent burns, take care when opening or closing the door and when inserting or removing food and accessories.
- The oven has heaters situated in the top and rear of the oven. During and after using either the CONVECTION, GRILL or COMBINATION involving CONVECTION, GRILL or STEAM functions, all inside surfaces of the oven will be very hot. To prevent burns, care should be taken to avoid touching the inside surfaces of the oven or hot water inside the steam trough.
NB. After cooking by these modes, the oven accessories will be very hot.
- The accessible parts may become hot when the oven is operated in CONVECTION, GRILL or COMBINATION modes. Children should only use the oven under adult supervision due to the temperatures generated.



Safety Precautions

(continued)

Fan Motor Operation

While the oven is in Microwave/Heater operation, the cooling fan always rotates to cool the electric components.

After the completion of operation, the fan may continue rotating for a while. This is perfectly normal, and you can take out the food from the oven while the fan is still in operation.

Oven Light

When it becomes necessary to replace the oven light, please consult your dealer.

Accessories

The oven comes equipped with a variety of accessories. Always follow the directions given for use of the accessories.

Glass Tray

1. Use only the Glass Tray specifically designed for this oven. **DO NOT** substitute any other glass tray.
2. If the Glass Tray is hot, allow to cool before cleaning or placing in water.
3. **DO NOT** cook directly on the Glass Tray. Always place food in a microwave safe dish, or on a rack set in a microwave safe dish.

High and Low Wire Rack

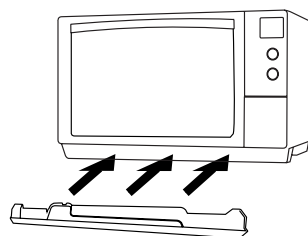
1. The Wire Racks can be used for GRILLING foods. It can be used for CONVECTION or COMBINATION cooking.
2. **DO NOT** use any metal container directly on the Wire Racks in COMBINATION with MICROWAVE. (Refer to paragraph about anti-spark ring).
3. **DO NOT** use the Wire Racks in MICROWAVE mode only.

Enamel Shelf

1. The Enamel Shelf is for cooking on CONVECTION mode only. Do not use on MICROWAVE, GRILL or COMBINATION modes.
2. For 2 level CONVECTION cooking, the Enamel Shelf can be used as the lower level and the wire shelf can be used as the upper level.

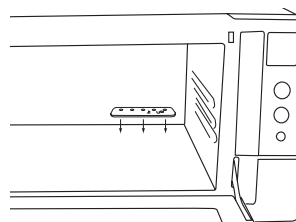
Drip Tray

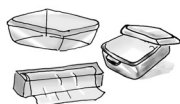
1. Before using the oven, place the drip tray in position. Holding with both hands, click into position on the oven legs. To remove the drip tray refer to page 14.
2. The purpose of the drip tray is to collect excess water during STEAM and MICROWAVE mode. It should be emptied after each STEAM and MICROWAVE operation.



Ceramic Cover

1. Before using the oven, place the ceramic cover over the evaporating channel.





Cookware and Container Guide

It is important to use the correct container when cooking in a microwave oven. The following will help you make the right selection.

How to Test a Container for Safe Microwave Oven Use

TO TEST A CONTAINER FOR SAFE

MICROWAVE OVEN USE: Fill a 1-cup glass measure with cool water and place it in the microwave oven alongside the empty container to be tested; **heat one (1) minute at High Power.** If the container is microwave oven safe (transparent to microwave energy), the empty container should remain comfortably cool, the water in glass measure should be hot. If the container is hot, it has absorbed some microwave energy and should NOT be used. This test cannot be used for plastic containers.

Paper Products and Freezer Wrap

Waxed paper, paper plates, cups and napkins should not be used for heating or cooking food. Freezer wrap should not be used as it is not heat resistant and may melt. Paper towel, greaseproof paper and bake paper may be safely used for short periods of time for covering or lining.

Straw, Wicker and Wood

Straw and wicker baskets may be used in the microwave oven for short periods of time to warm rolls or bread. Large wooden utensils, such as bowls or cutting boards should NOT be used for prolonged heating as the microwave energy may cause the wood to become dry and brittle.

Glass, Ceramic and China

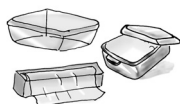
Heat-Resistant glass cookware is invaluable in microwave cooking. Many of these items are readily available in most homes: glass jugs, mixing bowls, loaf dishes, covered casseroles, oblong baking dishes, pie plates and round or square cake dishes. Examples of this type of cookware are Pyrex® and Corningware®.

Dinnerware can be used for microwave heating. Many brands of dinnerware are microwave safe. Check the care information for reference to microwave use for dinnerware and serving pieces. If dinnerware is marked ovenproof, it frequently is safe to use in the microwave oven. However, to be sure, check by conducting microwave dish test.

Several types of glassware and dinnerware are not recommended for use in the microwave oven. Do not use dishes with metallic trim or containers with metal parts. Do not use cups or mugs with glued on handles, as they may fall off with continued heating. Do not use delicate glassware. Although the glassware may be transparent to microwave energy the heat from the food may cause the glassware to crack.

Jars and Bottles

Jars and bottles can be used to warm food to serving temperature, if the lid is removed first. Cooking should not be done in these containers since most are not heat resistant and during extended heating times, heat from food would cause cracking or breaking.



Cookware and Container Guide *(continued)*

Plastics

Plastic dishes, cups and some freezer containers should be used with care in a microwave oven. Choose plastic containers carefully, as some plastic containers may become soft, melt and may scorch. The majority of plastic dishes, even those designed for use in the microwave oven, are not suitable for cooking foods with high fat or sugar content, or for lengthy cooking times. Most microwave plastic dishes should not be used for longer than 3 to 5 minutes on High power. These dishes, although not suitable for extended cooking, may be used successfully for defrosting or for use on lower power levels.

Cooking Bags designed to withstand boiling, freezing, or conventional heating are microwave safe. Prepare bags according to manufacturer's directions. When cooking by microwave, DO NOT use wire twist-ties to close bag. They can act as an antenna and cause arcing (sparks). DO NOT COOK IN PLASTIC FOOD STORAGE BAGS.

Plastic Wrap such as GLAD WRAP® can be used to cover dishes in most recipes. Over an extended heating time, some disfiguration of the wrap may occur. When removing plastic wrap "covers", as well as any glass lid, be careful to remove it away from you to avoid steam burns. Loosen plastic but let dish stand, covered.

Metal

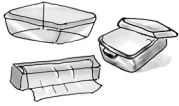
Metal cookware or utensils, or those with metallic trim, should NOT be used in the microwave. Since microwave energy is reflected by metal, foods in metal containers will not cook evenly. There is also a possibility of "arcing." Although metal utensils should be avoided in microwave cooking, some metal can be helpful when used correctly.

Aluminum foil can be used safely, if certain guidelines are followed, to prevent overcooking. Small pieces of foil are used to shield areas such as chicken wings, tips of roasts, or other thin parts that cook before the rest of the recipe is finished. Make sure foil is attached securely and doesn't touch sides of oven, otherwise arcing may occur. Foil lined containers, either cardboard or plastic, should NOT be used in the microwave oven as arcing could occur.

Metal twist-ties, either paper or plastic coated, should NOT be used in the microwave oven. Frozen dinner trays can be used in the microwave, if the container is no deeper than 2 cm and is filled with food. Metal skewers can not be used in microwave ovens as arcing may occur. Wooden skewers are readily available and can be used.

Dishes: Scalloped baking dishes are best used during reheating and for short periods of cooking time only.

Thermometers are available for use in microwave ovens. DO NOT USE CONVENTIONAL MERCURY TYPE CONFECTIONARY OR MEAT THERMOMETERS in food while cooking in the microwave oven.



Cookware and Container Chart

	Microwave	Grill	Convection	Combination	Steam/Micro
Aluminium foil	for shielding	yes	yes	for shielding	for shielding
Brown paper bags	no	no	no	no	no
Dinnerware oven/microwave safe non-oven, microwave safe	yes yes	yes no	yes no	yes no	yes no
Disposable paperboard containers	yes*	no	yes* (up to 220°C)	yes* (up to 220°C)	no
Glassware oven glassware & ceramic non heat resistant	yes no	yes no	yes no	yes no	yes no
Metal cookware	no	yes	yes	no	no
Metal twist-ties	no	yes	yes	no	no
Oven cooking bag	yes	no	yes*	yes	yes
Paper towels and napkins	yes	no	no	no	no
Plastic defrosting rack	yes	no	no	no	yes
Plastic dishes microwave safe non microwave safe	yes no	no no	no no	no no	yes no
Plastic wrap	yes	no	no	no	not required
Straw, wicker, wood	yes	no	no	no	yes
Thermometers microwave safe conventional	yes no	no yes	no yes	no no	yes no
Waxed paper	yes	no	no	no	not required
Silicon bakeware	yes	no	yes*	yes*	yes

* Check manufacturers' recommendation, must withstand heat.



Specifications

	NN-CS597S
Power Source:	120 V, 60 Hz
Power Consumption:	Microwave: 12.0 Amps, 1,460 W
	Bake: 10.9 Amps, 1,300 W
	Steam+Microwave: 11.9 Amps, 1,380 W
Cooking Power:*	1,000 W
Outside Dimensions (W x D x H):	20 ¹⁹ / ₃₂ " x 19 ⁹ / ₁₆ " x 12 ¹⁹ / ₃₂ " (523 mm x 497 mm x 320 mm)
Oven Cavity Dimensions (W x D x H):	13 ¹⁵ / ₁₆ " x 13 ¹ / ₂ " x 8 ¹ / ₁₆ " (354 mm x 343 mm x 205 mm)
Operating Frequency:	2,450 MHz
Net Weight:	Approx. 42 lbs. (19 kg)

* IEC Test procedure
Specifications subject to change without notice.