



**SOLVAY**

asking more from chemistry®



Solvay® sodium bicarbonate

A thousand opportunities  
to serve you

[www.solvay.com](http://www.solvay.com)

## *A thousand opportunities to serve you*

*In 1863, Ernest Solvay discovered a new process for manufacturing sodium carbonate using sea salt, ammonia and carbonic acid.*

*This process produced a sodium bicarbonate of high purity, which is used today in many fields: food, detergents, health and remediation.*

*Over time, the group has grown and now Solvay, with a presence in 55 countries on five continents, is the world leader in sodium carbonate and bicarbonate with manufacturing plants in the United States and Europe.*

*Throughout this brochure, you will discover the amazing properties of Solvay bicarbonate and the numerous services this miraculous product can offer you every day.*

*Happy reading!*





## WHY THIS GUIDE?

From food to detergent, Solvay® sodium bicarbonate or BICAR® is an all-purpose product with a thousand uses.

In this brochure, you will find the most common uses, dosages and advice that will provide users with a simple, natural and effective practical help, for some everyday situations.

## WHAT IS THE COMPOSITION OF BICAR®?

It contains only sodium bicarbonate, a white and extremely pure product. It is biodegradable and environmental friendly; it can be found in nature and plays a fundamental role in the human body. Its purity is a guarantee of its quality!

## WHICH ARE THE PROPERTIES THAT MAKE IT SO EFFICIENT?

It has a very particular molecular structure. It is thanks to this structure and its numerous properties that BICAR® is a human and environmental friendly product.

## A NATURAL BUFFER

BICAR® is a so-called “buffer” – that means a substance that stabilises a solution’s pH level at around 8,1. This important characteristic allows BICAR® to be used in many applications: for instance, to diminish acidity in the stomach, thus avoiding acidosis, to prevent pipeline corrosion, to neutralise the venom of many insects (for example, mosquitoes), but also against acid fat residues.

## A WATER SOFTENER

The temporary hardness of water is determined by the quantity of calcium and magnesium ions that are present in water. Water hardness can be noticed easily by testing its capacity to rinse soap and cook vegetables. When BICAR® is dissolved in water, the calcium ions don’t separate into lime (calcium carbonate), thus avoiding lime deposits. In this way, the use of soap and detergent can be reduced

## A RAISING AGENT

The raising ability of BICAR® is strictly linked to two other characteristics:

- If BICAR® is added to an acid substance (e.g. milk, vinegar, lemon juice) it reacts by releasing CO<sub>2</sub> (carbon dioxide).
- CO<sub>2</sub> is also released when Solvay® sodium bicarbonate is heated up to a temperature of over 70° C.

The tiny CO<sub>2</sub> bubbles, produced by the temperature, are incorporated into the elastic proteins contained in the flour (the gluten) and cause the pastry to rise, producing soft cakes and biscuits. Eventually, the CO<sub>2</sub> will disappear from the pastry, leaving thousands of little holes. Thanks to this property, BICAR® can be used not only for industrial purposes such as the preparation of pastries and effervescent powders, but also at home in the preparation of many recipes.

## AN EFFICIENT ODOUR ABSORBER

Acid or basic substances produce many unpleasant odours. Being a buffer, Solvay® sodium bicarbonate reacts not only to prevent the development of such acids or bases, but also helps to remove odours that are present in the air, in confined spaces or are produced by the human body.

BICAR®, unlike other products on the market, neutralises and eliminates odours, rather than masking them.

## A SLIGHTLY ABRASIVE PRODUCT

BICAR® is water-soluble. When in contact with water, its crystals dissolve before damaging the contact surfaces. Therefore, stained and dirty surfaces can be cleaned in a delicate way, without being scratched.

## QUALITY CERTIFICATES

Solvay plants have obtained ISO 9001, 18001, 14001 and 22000 certificates (for products intended for human alimentation) by applying these management systems during the manufacture of sodium bicarbonate. These quality certificates guarantee the company's professionalism and consumer-oriented interest.

## "FOOD CHEMICALS CODEX" CONFORMITY CERTIFICATE

Solvay, by carrying out continuous and in-depth research on its products, guarantees that Solvay® sodium bicarbonate complies with the current F.C.C. rules and demands (Food Chemical Codex), in the food sector.

## CHEMICAL FORMULA OF SODIUM BICARBONATE

$\text{NaHCO}_3$ .

### SYNONYMS

- Sodium acid carbonate
- Acid monosodium salt
- Sodium hydrocarbonate
- Baking soda
- Vichy salt

### CHARACTERISTICS

- Soluble in water
- Slightly soluble in alcohol
- Slightly abrasive
- Fungistatic
- Slight alkaline taste
- Non-flammable

### PROPERTIES

- Releases  $\text{CO}_2$  if heated or if in contact with acids
- Buffer substance: it stabilises its pH even when added to small quantities of acids or strong bases.
- Eliminates unpleasant odours by neutralising the acids produced by bacteria

### DAILY USE

- Helps to eliminate impurities when washing fruit and vegetables
- Cleans surfaces without scratching
- Absorbs and neutralises unpleasant odours
- Very useful in cooking
- Can be used as a leavening agent
- Refreshes the colours of your rugs and fitted carpets
- Helps eliminate signs of fatigue.



What is BICAR®?



BICAR® & the kitchen

## IDEAL TO EASILY WASH AND CLEAN:

- Fruit and vegetables
- Saucepans, kitchenware and cutlery
- Delicate surfaces without scratching

In order to eliminate impurities, wax and other possible residues, do not forget to wash your fruit and vegetables with water and Solvay® sodium bicarbonate before consumption.



### DIRECTIONS FOR USE:

- Wash your leaf vegetables (lettuce, endive, spinach, etc.) or soft-skinned fruit (strawberries, cherries, grapes, etc.) with a solution made of 1 tablespoon (25g) of BICAR® to each litre of water, and leave them to soak for at least 10 minutes. Then rinse them under running tap water.  
You will notice that, after a few minutes, the water will become “cloudy” which indicates that the product is efficient.
- To wash non-leafy vegetables (tomatoes, fennel, courgettes...) or fruit with a harder skin (peaches, apricots...), prepare a mixture of BICAR® and water (1 part of water with 3 parts of powder) and rub it directly onto the fruit or vegetables with a sponge or with your hands. Then rinse under running tap water.



## IDEAL FOR CLEANING POTS AND PANS

Solvay® sodium bicarbonate is very delicate and at the same time slightly abrasive. These properties make BICAR® an essential and efficient product to help you clean your pots and pans, and to help them regain their lustre. An ecological and extremely economical solution against stains and odours in your kitchen!



- To easily remove burned food residues from your frying pans and cooking pots, put some BICAR® directly on the pan or pot and pour some hot water on it. Leave it to soak for at least 15 minutes, rinse and wash.
- In case of larger food residues: sprinkle some BICAR® on a damp sponge and scrub gently. Then rinse and wash.
- You can also fill the pot or dish with water and 2 tablespoons of BICAR® (50 g) and boil for about 5 minutes. After cooling, scrub the residues with a sponge or a wooden spoon. Then wash and rinse.

## CLEAN YOUR SINK WITHOUT SCRATCHING IT

Unlike the powders present in some other cleaning products, Solvay® sodium bicarbonate crystals are water-soluble and therefore not abrasive. Your sink can be safely cleaned every day without being scratched!



- To eliminate food residues or to restore a shiny look to the kitchen sink or stainless steel sink, prepare a mixture of some water and BICAR® (1 part of water per 3 parts of product), and scour the surface with a sponge. Then rinse and rub dry with a soft cloth.
- If you want to avoid unpleasant odours in your kitchen, keep a small open box of BICAR® under your sink and replace it every 3 months.

**Efficient for cleaning dishes, cutlery and chopping boards.**



## SODIUM BICARBONATE AND THE DISHES

As BICAR® is an all-purpose cleaner, it can also be added to your usual washing-up liquid to clean your dishes most efficiently and to eliminate odours; BICAR® is able to neutralise the acids and bases of food residues responsible for bad smells.



- To eliminate food residues and to neutralise odours, add 2 tablespoons (50 g) of BICAR® to your washing-up water, or use a mixture of the product directly on a damp sponge (1 part of water per 3 parts of BICAR®); rub your dishes and chopping boards and rinse well. Is there anything better than an alimentary quality product that can be safely used to clean surfaces that come into daily contact with food? Definitely not! Besides, BICAR® is also very delicate for your hands.

## EFFICIENT FOR CLEANING YOUR COOKING HOB

... and all other surfaces in the kitchen and domestic equipment.



- To remove food residues and grease stains on your cooking-hob or to eliminate onion or garlic odour, just sprinkle some BICAR® directly on a damp sponge, clean the surface and then rinse.
- To clean the surface of the oven, the microwave, the barbecue grill and other household appliances, add 2 tablespoons of BICAR® to 1 litre of water (50 g per litre) and rub gently with a sponge (it will be easier to clean the oven if it is still warm).
- If you want to absorb food odours that can often be smelt in the microwave and oven after cooking, place an open box of BICAR® in the oven or microwave when they are not in use.



## THE REFRIGERATOR AND THE FREEZER



- To clean the refrigerator and the freezer and to avoid odours, prepare a mixture of 2 tablespoons (50 g) of BICAR® and 1 litre of water and clean inside with a sponge. Afterwards, just rinse and wipe with a clean dry cloth.
- You can also leave plastic containers to soak for about half an hour in a solution of BICAR® and warm water.
- To remove stains, food residues or mould, clean the refrigerator and freezer with a damp sponge or cloth and a mixture of 3 parts of BICAR® per 1 part of water.

## TO CLEAN GLASS POTS AND PLASTIC CONTAINERS



- To clean your oil and vinegar set, fill both containers with a small quantity of BICAR® and shake well so that the product absorbs the oil and vinegar residues. Then rinse.
- To wash plastic containers, you can use a mixture of 1 part of water and 3 parts of BICAR® and clean the boxes with a sponge or a cloth; then wash and rinse.

## ELIMINATING NASTY SMELLS:

- in the refrigerator
- in the dishwasher
- in the dustbin

## A “FRESH” REFRIGERATOR AND FREEZER

The unpleasant smells that sometimes persist in your refrigerator and freezer are produced by food acids (e.g. milk) and bases (e.g. fish). BICAR® binds with the food molecules and neutralises them, which eliminates the unpleasant odours.



- To avoid smells, place an open box (250 g) - or any other container with BICAR® in it - in your refrigerator or freezer. The bigger the surface of the product that has contact with the air the better! If you detect odours after a while, it means that the product has exhausted its absorption effect and simply needs to be replaced.

## THE DISHWASHER

From time to time you may have left your dishes sitting in the dishwasher for a while, with the result that your dishwasher starts to smell. What can you do now about these nasty smells?



- To eliminate unpleasant odours, sprinkle some BICAR® directly on your dishes in the dishwasher and start a prewash cycle.
- To enhance the effect and the efficiency of your usual washing detergent, just add 2 tablespoons (50 g) of BICAR® to your dishwasher during the normal wash cycle.
- To clean and sanitize your dishwasher we advise you to regularly add some BICAR® (100 g once a month) to your empty dishwasher and to choose the rinse cycle program; this will help you to maintain the freshness and cleanliness of your dishwasher.



## THE DUSTBIN

BICAR® also helps you to get rid of nasty smells in your dustbin.



- To avoid dustbin odours, before placing a plastic bag in your dustbin, sprinkle some BICAR® in the bottom of your bin.
- If you don't use any plastic bags and you want to fight garbage odours, then pour some BICAR® directly into the bin together with the garbage.

## IDEAL FOR PREPARING FOOD:

- It heightens the colour of your vegetables
- It neutralises tomato acidity
- It tenderises your meat
- It eliminates the strong characteristic taste of game meat
- It is useful as a leavening agent
- Or to prepare thirst-quenching drinks

Cooking: add ½ tablespoon of BICAR® per litre of water before cooking your vegetables.

Adding 1 tablespoon (5 g) of BICAR® to the vegetables cooking water:

- preserves their colour
- avoids unpleasant odours produced by some vegetables such as cauliflower that may spread throughout the house
- eliminates the bitter taste of turnips
- softens cabbage.

## IT NEUTRALISES TOMATO ACIDITY WHEN PREPARING TOMATO SAUCE

BICAR® neutralizes acidity.



- Instead of using sugar, add some BICAR® (5 g) to your tomato sauce when preparing it to reduce acidity. It can also be used for tinned sauces (but usually these are already treated against acidity) and for home prepared sauces for preserving.

## MEAT TENDERISING



- To make tough meat tender, add ½ tablespoon of BICAR® per litre of water when the water starts boiling.



## ELIMINATES THE STRONG CHARACTERISTIC TASTE OF GAME MEAT

BICAR® can be useful to clean, preserve, prepare game meat and eliminate its typical strong taste.



- To clean game meat and to eliminate its typical strong taste, sprinkle some BICAR® so that its strong odour disappears. After cleaning the meat you can decide to either preserve it in your freezer or to cook it (rinse and dry properly first).
- To prepare game meat: if you have not treated the meat with BICAR® when you cleaned it, then leave it to soak overnight in the refrigerator in some water with some BICAR. Dry with a clean cloth before cooking.



## MAKES YOUR BISCUITS RISE

BICAR® is also used as a leavening agent in the preparation of biscuits. When heated or in contact with acids, it releases carbon dioxide (CO<sub>2</sub>) which causes dough to rise; the result is light and puffy, nice smelling biscuits!

*ATTENTION: do not replace the yeast you usually use with BICAR®.*



If you wish to prepare some yeast at home, then you can mix the following ingredients:

- ¼ teaspoon of BICAR® and ½ of cream of tartar;
- or ¼ teaspoon of BICAR® and 125 g of yogurt;
- or ¼ teaspoon of BICAR® and ½ teaspoon of vinegar or lemon juice and 100 ml of milk.

## A PINCH OF BICAR® IS ALSO USEFUL FOR:

- preparing light omelettes (½ teaspoon per 3 eggs);
  - preparing soft mashed potatoes (add some BICAR® when mashing the potatoes);
  - avoiding the crystallisation of syrup.
- It is a good ingredient to prepare refreshing drinks.



BICAR® & the kitchen

# BICAR® & the house



CIRCULAR ROAD  
CITY R.P.  
CLOVELLY  
COOCEE BEACH  
NEW YORK CITY  
COLLINS ST WEST  
CHARLING POINT  
DEIRAN ST BOND  
DOLLS POINT  
DOUBLE BAY  
DOVER HEIGHTS  
CENTRAL STATION  
ELDASETH BAY  
ERSKINEVILLE  
EXPRESS  
PIERS STREET  
FLOER NO 3A ST  
FALLA STREET  
GARDEN BLAND  
LIBERTY CITY  
HIGH SPEED AVE  
HIGH ST JACKSON

### VERY EFFICIENT FOR:

- Refreshing your sofa, rugs and fitted carpets
- Cleaning washable surfaces
- Polishing your silverware

The fact that BICAR® absorbs unpleasant odours makes it the ideal product to clean your fitted carpets and rugs!



### DIRECTIONS FOR USE:

- To refresh the fabric of your sofa, your fitted carpets and rugs, treat them with BICAR®! Let the product stand for at least 15 min. (24h in case of obstinate stains) and then vacuum.
- To eliminate stains: clean as usual. Let it dry and apply some BICAR®. Let the product stand about 15 min.

**ATTENTION: always test the product on a hidden area first to be sure the fabric is colourfast.**



### IDEAL FOR ALL KINDS OF SURFACES

Bicar® degreases and is slightly abrasive, which makes it the ideal product to clean all sorts of surfaces.



- To clean tiles and washable surfaces (for instance: eliminate pencil traces) we suggest you apply some BICAR® (1 part of water and 3 parts of product) on a sponge and rub the surface. Then rinse and dry.
- To clean aluminium window frames: sprinkle BICAR® on a wet sponge and clean. Then rinse and dry.



## TO POLISH YOUR SILVERWARE

BICAR® is slightly abrasive and therefore very suitable for the maintenance of your silverware.



**ATTENTION:** we advise not to use a similar method to clean antique and precious silver objects, as BICAR® makes your silver regain its shine by eliminating tarnish that may have formed throughout the years, and might add beauty and value to your items. We suggest you in any case try this method on a hidden area first.



- To buff up your silverwork: sprinkle some BICAR® on a damp sponge or on a cotton cloth, and polish gently. Then rinse and dry with a soft cloth.
- To give extra shine to your silver jewellery, put some aluminium foil in a bowl with some warm water. Add a few tablespoons of BICAR® and some salt (1 spoon per litre of water). Immerse the object in this mixture for about 1 hour, rinse well and dry with a soft cloth.

The effectiveness of this method is due to the electrochemical reaction that occurs between the aluminium and the silver salt. Silver salt turns into metal silver and aluminium undergoes a chemical reaction in which salt is formed (the aluminium oxidises).

- Another way to clean your silver items well is by using a mixture of BICAR® (1 part of water and 3 of product). Apply some of the mixture on a cloth or directly on the surface (you can also use a small brush) and rub gently with round movements until the stains due to oxidation have disappeared. Then rinse and dry.

## A DEODORISER IN CLOSED OR CONFINED SPACES:

- Wardrobes
- Shoe cabinets and kitchen cupboards.

Place an open box of BICAR® or a bowl with about 150 g (½ mug) in spaces in which you wish to remove unpleasant odours; once the odour absorbing effect has worn out, replace the box or bowl with some fresh product (usually after about 3 months).

In Addition to neutralizing odours, BICAR® also absorbs the moisture that forms in certain spaces and avoids mould formation.

## AGAINST ASH-TRAY ODOURS

- To refresh your ash-tray and eliminate the odour of cigarettes and cigars, place some BICAR® at the bottom of the ash-tray; each time you empty it, replace with some new product.

## BICAR® ALSO TAKES CARE OF YOUR PETS:

- absorbs cat litter smells
- refreshes your dog's fur
- cleans your puppy's toys



## DEODORISES LITTERS



- To clean your dog's fur and to keep it soft and shiny, add BICAR® (3 tablespoons per litre water) to his bathwater.
- Otherwise sprinkle some BICAR® directly on its fur, rub and then brush very well to eliminate the product entirely.
- To clean your dog's blanket, add 2 tablespoons (50 g) of BICAR® to the detergent and water in case of hand wash, or in the washing machine during the wash cycle. BICAR® is also very efficient if added during the rinse cycle.

## CLEANS YOUR PETS' TOYS:



- To sanitise your pets' plastic toys let them stand in some warm water (1 litre) and 2 tablespoons of BICAR® (50 g); then rub well and rinse under tap water.
- To refresh fabric toys: sprinkle some BICAR® on them, let the product stand for at least 2 hours, then brush very well to eliminate the product.

# BICAR & the cleaning





### IDEAL TO ADD TO YOUR LAUNDRY TO:

- increase the efficiency of your liquid detergent
- eliminate persistent odours
- prevent lime formation

Since Solvay® sodium bicarbonate increases the water pH, if added to your laundry; it also increases the efficiency of your usual detergent. It has in fact been proven that a high pH value increases the repulsion between the fibres and dirt, which removes stains more efficiently.

If you add it during the rinse cycle, unpleasant odours will be neutralized and absorbed, and no lime residues will stick on the laundry.

As it is also an extremely efficient fabric softener, it can be used to wash delicate fabrics such as underwear, baby clothes or baby linen, where the problem of odours and stains deserves particular attention.

### ENHANCES THE EFFICIENCY OF YOUR LIQUID DETERGENT



#### DIRECTIONS FOR USE:

- To optimize the effect of your usual liquid detergent, add 1 tablespoon (25 g) of BICAR® to your washing machine during the wash or prewash cycle.

### NEUTRALISES AND ELIMINATES STUBBORN STAINS AND ODOURS



- To eliminate bad odours from clothes and underwear, add 1 tablespoon (25 g) of BICAR® to the rinse cycle. Ideal for washing sportswear, baby clothes or linen.
- To get rid of laundry-basket smells: sprinkle some BICAR® on top of your clothes. Then launder as usual, but without first eliminating the product.

**ATTENTION: do not use the product on wool or silk.**

## IT PREVENTS LIME FORMATION



- Against lime formation we suggest regularly using (once a month) about 150 g (1/2 mug) of BICAR®, adding it to your empty washing machine and running an empty cycle.

### IDEAL TO:

- Eliminate lime formation in the bathroom
- Sanitise the shower
- Clean the bathtub
- Wipe the floor
- Prevent bad odours in the garbage
- Eliminate lime residues



- To remove lime encrustations from taps and to keep surfaces clean, make a mixture of warm water and BICAR® (3 parts of product and 1 part of water) and clean with a cloth or a brush to eliminate difficult stains (the additional use of lemon or vinegar also helps you to enhance cleaning results!).



## TO KEEP YOUR SHOWER TRAY CLEAN

- Solvay® sodium bicarbonate creates an unfavourable environment to mould formation.



- To clean your shower doors, apply some BICAR® on a wet sponge and rub the surfaces. Rinse with warm water and dry.
- To remove mould from the shower mat: sprinkle some BICAR® on the stains, let it stand for a while and rub well with a sponge, then rinse and dry.
- To clean and deodorise the plastic shower curtains apply some BICAR® on a sponge and clean the curtains. Then rinse and dry. Or put them in the washing machine, add 3 tablespoons (75 g) of BICAR® to the detergent and choose the delicate program.

## A HIGIENIC BATHTUB



- To clean your bathtub (also suitable for fibreglass bathtubs), sprinkle BICAR® and rub the surfaces with a damp sponge. Then rinse and dry with a cloth.

## COUNTERACT UNPLEASANT DRAIN ODOURS



- To deodorize smelly drains from sinks, bathtubs and shower trays pour ½ mug (150 g) of BICAR® down the drain followed by some hot water.



BICAR & the hygiene





## PERFECT FOR:

### A relaxing bath

BICAR®, if added to your bath, has a relaxing and softening effect on your skin.



#### DIRECTIONS FOR USE:

- Add 1/2 mug (150 g) of BICAR® to your warm bath water (37-40°C).



### A relaxing foot bath

If added to your warm footbath, BICAR® has a calming, yet reviving effect on your legs and feet. BICAR®, made into a paste and applied on your skin, softens and eliminates calluses. Dissolved in your warm bath water it softens your skin and helps to gently remove dead skin.



- Add 2 tablespoons (50 g) of BICAR® to your warm foot bath water.

### Oral hygiene and mouth care

Food residues that stick between your teeth ferment and produce acids that affect your tooth enamel, which is the main cause of dental plaque and caries. BICAR®, being a buffer substance, neutralises these acids. Besides, if used properly, BICAR® refreshes your breath and avoids those nasty smells that are caused by acids (onion, garlic) and bases (fish). BICAR® has a mild abrasive action on your teeth and is therefore also very useful if used from time to time to whiten teeth stained by cigarettes and coffee.



- Mouthwash: dissolve 1 teaspoon (5 g) of Solvay® sodium bicarbonate in 1 mug of water and rinse your mouth.
- Whitening agent: to help your teeth regain their whiteness, sprinkle some BICAR® on your wet toothbrush and brush your teeth.

## To clean your toothbrush and your dentures



- To clean your dentures, submerge them for about 30 min. in a mug containing water and the tablet you regularly use to clean them; add 1 tablespoon (25 g) of BICAR®. Then, rinse thoroughly under running tap water.
- To clean your toothbrush, let it stand overnight in a mug with warm water and a tablespoon (25 g) of BICAR®.



## For a perfect manicure

As BICAR® softens the skin you can also use it to treat your nails and hands.



- For soft hands: dissolve 2 tablespoons (50 g) of BICAR® in 1 litre of lukewarm water and let your hands soak for about 10 min. Then proceed with your manicure.

## To desodorise your shoes



- To refresh your shoes: sprinkle a layer of BICAR® in your shoes (avoid usage with leather shoes: it might harden your soles!) and let them stand during the night; empty your shoes the next day. Besides neutralising shoe odours by absorbing perspiration, it also avoids mould formation.

### Ideal for a gentle scrub

A paste of BICAR® and water can be safely used to gently eliminate impurities and dead skin cells from the face.



- Wash your face and clean it well with your usual soap. Make a paste of 1 part of water and 3 parts of BICAR® and gently massage with round movements. Then rinse well with water.

### For soft and shiny hair



- Add once a week 1 teaspoon (5 g) of BICAR® to your shampoo: this will leave your hair smooth and soft; it will also help you to remove hair gel and lacquer. Massage, rinse thoroughly and apply your hair conditioner immediately after.

### To clean combs and brushes



- To clean combs and brushes, let them stand for a while in a bowl with warm water and some BICAR®. Rinse thoroughly.



BICAR® & the exterior

### IN THE GARDEN TO:

- clean the barbecue
- clean your garden furniture
- remove weeds
- treat your flowers and plants

### EFFICIENT FOR CLEANING YOUR BARBECUE

BICAR® is slightly abrasive and is therefore extremely efficient for easily removing burnt-on food residues from your barbecue without scratching your grill and plates.



#### DIRECTIONS FOR USE:

- To eliminate food residues or smells and remove stains and grease from plates and grills, prepare a paste of 1 part of water and 3 parts of BICAR®, and clean the surfaces with a sponge or a hard brush in case of stubborn stains. Rinse and dry.



### IT CLEANS YOUR GARDEN FURNITURE



- To remove stains from your plastic garden furniture (chairs, table...) use some warm water and 2 tablespoons of BICAR® (50 g) per litre of water. Rub very well and then rinse.
- To refresh your garden furniture and eliminate mould smells resulting from storage during the winter season, sprinkle some BICAR® directly on your chair cushions and inside the storage box.

### SUITABLE FOR WEED REMOVAL

BICAR® can be very useful in the garden: if applied on stone footpaths, the terrace or the patio, it will control weed growth.

### EFFICIENT AGAINST SOME PARASITES



- To treat plants against parasites, mix 1 teaspoon of BICAR® and 3 tablespoons of olive oil into a paste. Add 2 teaspoons of this mixture to a spray bottle containing some water and spray onto the foliage avoiding the flower. Repeat after 20 days.

## IN THE SWIMMING POOL:

- It regulates the pH
- It keeps your bath towels fresh and absorbs smells
- It reduces the pH to the optimum values.

Solvay® sodium bicarbonate can be used to keep your swimming pool water clear. Its regular use helps you to stabilize the pH to an optimal value slightly alkaline. To keep your water clear and reduce eye irritation, regularly check its pH values and use disinfectants. As to dosage information, do not hesitate to ask your swimming pool reseller for advice.

## REFRESH YOUR BATH TOWELS



- To refresh your bath towels and eliminate chlorine odour, add 2 tablespoons (50 g) of BICAR® to your hand wash detergent or to your washing machine during the wash cycle. It is also efficient if added to your rinse water.

## FOR YOUR CAR:

- It eliminates stains
- It refreshes the interior
- It cleans your car exterior

Solvay® sodium Bicarbonate is slightly abrasive and therefore eliminates difficult stains such as mud, resin, oil, grease and wax much more easily; windows, lights and rims can be cleaned without scratching them.



- To remove difficult stains, use a sponge and a paste of water and BICAR® (1 part of water and 3 parts of sodium bicarbonate). Rinse well and dry with a soft cloth.



## INSIDE THE CAR:



- To refresh the seats and carpets of your car, sprinkle some BICAR® on them and let stand for about 15 min, or more in case of stubborn stains. For even better results, use a brush to help the grains get into the fibres.
- To eliminate stains from fabric seats, first follow the recommendations of the manufacturer. Then apply a layer of BICAR® on top of the stain. Let stand for about 15 min and then vacuum.

**ATTENTION: we advise you to always try the product on a hidden area.**

- To remove cigar and cigarette smells, sprinkle some BICAR® in the ash tray and add fresh product each time you empty your ash tray. Or clean it with a damp sponge and some BICAR®. Then rinse well and dry.

## CAMPING:

- To refresh your tent and sleeping-bag
- To clean your camping equipment and accessories



- To prevent mould formation and smells, sprinkle some BICAR® in the tent and sleeping-bag before storing them. You can do the same to neutralize unpleasant smells when taking them out of the store room, sprinkle some BICAR®, let it stand during a whole day and then shake out well or vacuum before using them again.

## IDEAL FOR CLEANING YOUR PLASTIC PICNIC BOXES

- Against smells in your plastic picnic boxes and ice bucket, let them soak in warm water with 2 tablespoons (50 g) of BICAR® per litre of water.
- To remove stains, food residues or mould, you can prepare a paste of water BICAR® (3 parts of sodium bicarbonate and 1 part of water).

#### *IN FRANCE*

*The company Esco manufactures and sells Solvay® Sodium Bicarbonate, produced in Dombasle, under the brand name Cérébos. Cérébos Sodium Bicarbonate, a simple, safe and efficient product, is sold in large-scale distribution centres.*

#### *IN BELGIUM*

*Solvay® Sodium Bicarbonate is sold under the brand name Bicar® Net for cleaning and deodorising. Bicar® Net, with its new micro-grain formula, is sold in large-scale distribution centres.*

*The company Esco manufactures and sells bicarbonate Cérébros, which is available in large-scale distribution centres.*

#### *IN ITALY*

*Solvay® Sodium Bicarbonate is available in various packages and is sold in large-scale distribution centres.*

*[www.bicarbonato.it](http://www.bicarbonato.it)*





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Solvay is the world leader in Soda Ash and Bicarbonate. The Group holds leadership positions in Europe and the US, and has a commercial presence in every region of the world. Solvay employs two production technologies: the exploitation of one of the world's largest natural soda ash mines (Trona) in the world, based in America, and synthetic processes implemented across Europe.

The objective for the growth-oriented bicarbonate activities is to leverage a remarkable, European, application-based know-how to successfully develop the market in other regions.

As an international chemical group, SOLVAY assists industries in finding and implementing ever more responsible and value-creating solutions. Solvay generates 90% of its net sales in activities where it is among the world's top three players. It serves many markets, varying from energy and the environment to automotive and aeronautics or electricity and electronics, with one goal: to raise the performance of its clients and improve society's quality of life. The group is headquartered in Brussels, employs about 29,400 people in 56 countries and generated 9.9 billion euros in net sales in 2013.