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PATIENT & CAREGIVER EDUCATION

# Aspirin, Citric Acid, and Sodium Bicarbonate

This information from Lexicomp® explains what you need to know about this medication, including what it's used for, how to take it, its side effects, and when to call your healthcare provider.

## Brand Names: US

Alka-Seltzer Extra Strength [OTC]; Alka-Seltzer [OTC]; Medi-Seltzer [OTC]; Neutralin [OTC]

## What is this drug used for?

- It is used to treat heartburn and upset stomach.
- It is used to ease pain.
- It is used to treat headaches.

## What do I need to tell the doctor BEFORE my child takes this drug?

- If your child has an allergy to this drug or any part of this drug.
- If your child is allergic to any drugs like this one or any other drugs, foods, or other substances. Tell the doctor about the allergy and what signs your child had, like rash; hives; itching; shortness of breath; wheezing; cough; swelling of face, lips, tongue, or throat; or any other signs.
- If your child has any of these health problems: Asthma, bleeding problems, nose polyps, or rhinitis.
- If your child has or is getting better from flu signs, chickenpox, or other viral infections.
- If your child is taking other drugs for any of these health problems: Arthritis,

diabetes, or gout.

- If your child is taking another drug that has the same drug in it.
- If your child is taking any other NSAID.

### **If your child is pregnant:**

- Do not give this drug to your child if she is in the third trimester of pregnancy. You may also need to avoid giving this drug to your child at other times during pregnancy. Talk with your child's doctor to see when you need to avoid giving this drug to your child during pregnancy.

### **If your child is breast-feeding a baby:**

- Talk with the doctor if your child is breast-feeding a baby or plans to breast-feed a baby.

This is not a list of all drugs or health problems that interact with this drug.

Tell the doctor and pharmacist about all of your child's drugs (prescription or OTC, natural products, vitamins) and health problems. You must check to make sure that it is safe for your child to take this drug with all of his/her drugs and health problems. Do not start, stop, or change the dose of any drug your child takes without checking with the doctor.

## **What are some things I need to know or do while my child takes this drug?**

- Tell all of your child's health care providers that your child is taking this drug. This includes your child's doctors, nurses, pharmacists, and dentists.
- Do not use this drug right before or after heart bypass surgery.
- Do not give to children and teenagers who have or are getting better from flu signs, chickenpox, or other viral infections due to the chance of Reye's syndrome. Reye's syndrome causes very bad problems to the brain and liver.
- Do not give your child more of this drug than what the doctor told you to give. Giving more of this drug than you are told may raise the chance of very bad side effects.
- Do not have your child use longer than you have been told by your child's

doctor.

- Your child may bleed more easily. Make sure your child is careful and avoids injury. Be sure your child has a soft toothbrush.
- Alcohol may interact with this drug. Be sure your child does not drink alcohol.
- If your child smokes, talk with the doctor.
- If your child is on a low-sodium or sodium-free diet, talk with the doctor. Some of these products have sodium.
- If your child has phenylketonuria (PKU), talk with your child's doctor. Some products have phenylalanine.
- This drug may raise the chance of very bad and sometimes deadly stomach or bowel side effects like ulcers or bleeding. The risk is greater in older people. The risk is also greater in people who have had stomach or bowel ulcers or bleeding before. These problems may occur without warning signs. Talk with the doctor.
- Do not give this drug to a child younger than 12 years old without first checking with the doctor.

### **If your child is pregnant:**

- This drug may cause harm to the unborn baby if your child takes it during pregnancy. If your child is pregnant or gets pregnant while taking this drug, call the doctor right away.

## **What are some side effects that I need to call my child's doctor about right away?**

**WARNING/CAUTION:** Even though it may be rare, some people may have very bad and sometimes deadly side effects when taking a drug. Tell your child's doctor or get medical help right away if your child has any of the following signs or symptoms that may be related to a very bad side effect:

- Signs of an allergic reaction, like rash; hives; itching; red, swollen, blistered, or peeling skin with or without fever; wheezing; tightness in the chest or throat; trouble breathing, swallowing, or talking; unusual hoarseness; or swelling of the mouth, face, lips, tongue, or throat.

- Signs of bleeding like throwing up blood or throw up that looks like coffee grounds; coughing up blood; blood in the urine; black, red, or tarry stools; bleeding from the gums; vaginal bleeding that is not normal; bruises without a reason or that get bigger; or any bleeding that is very bad or that you cannot stop.
- Signs of kidney problems like unable to pass urine, change in how much urine is passed, blood in the urine, or a big weight gain.
- Signs of liver problems like dark urine, feeling tired, not hungry, upset stomach or stomach pain, light-colored stools, throwing up, or yellow skin or eyes.
- Very bad dizziness or passing out.
- Feeling confused.
- Very bad headache.
- Ringing in ears.
- Hearing loss.
- Very bad belly pain.
- Feeling agitated.
- Seizures.

## **What are some other side effects of this drug?**

All drugs may cause side effects. However, many people have no side effects or only have minor side effects. Call your child's doctor or get medical help if your child has any side effects that bother your child or do not go away.

These are not all of the side effects that may occur. If you have questions about side effects, call your child's doctor. Call your child's doctor for medical advice about side effects.

You may report side effects to your national health agency.

## **How is this drug best given?**

Give this drug as ordered by your child's doctor. Read all information given to you. Follow all instructions closely.

- Give this drug with or without food. Give with food if it causes an upset stomach.
- Dissolve in  $\frac{1}{2}$  cup (4 ounces/120 mL) of water. Have your child drink after the tablets have dissolved all the way.
- Do not let your child swallow it whole.
- Rinse cup with more water and have your child drink.

## **What do I do if my child misses a dose?**

- If your child takes this drug on a regular basis, give a missed dose as soon as you think about it.
- If it is close to the time for your child's next dose, skip the missed dose and go back to your child's normal time.
- Do not give 2 doses at the same time or extra doses.
- Many times this drug is given on an as needed basis. Do not give to your child more often than told by the doctor.

## **How do I store and/or throw out this drug?**

- Store at room temperature.
- Protect from heat.
- Keep all drugs in a safe place. Keep all drugs out of the reach of children and pets.
- Throw away unused or expired drugs. Do not flush down a toilet or pour down a drain unless you are told to do so. Check with your pharmacist if you have questions about the best way to throw out drugs. There may be drug take-back programs in your area.

## **General drug facts**

- If your child's symptoms or health problems do not get better or if they become worse, call your child's doctor.
- Do not share your child's drug with others and do not give anyone else's drug to your child.

- Keep a list of all your child's drugs (prescription, natural products, vitamins, OTC) with you. Give this list to your child's doctor.
- Talk with your child's doctor before giving your child any new drug, including prescription or OTC, natural products, or vitamins.
- Some drugs may have another patient information leaflet. If you have any questions about this drug, please talk with your doctor, nurse, pharmacist, or other health care provider.
- If you think there has been an overdose, call your poison control center or get medical care right away. Be ready to tell or show what was taken, how much, and when it happened.

## **Consumer Information Use and Disclaimer**

This information should not be used to decide whether or not to take this medicine or any other medicine. Only the healthcare provider has the knowledge and training to decide which medicines are right for a specific patient. This information does not endorse any medicine as safe, effective, or approved for treating any patient or health condition. This is only a brief summary of general information about this medicine. It does NOT include all information about the possible uses, directions, warnings, precautions, interactions, adverse effects, or risks that may apply to this medicine. This information is not specific medical advice and does not replace information you receive from the healthcare provider. You must talk with the healthcare provider for complete information about the risks and benefits of using this medicine.

## **Last Reviewed Date**

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If you have any questions, contact a member of your healthcare team directly. If you're a patient at MSK and you need to reach a provider after 5:00 PM, during the weekend, or on a holiday, call 212-639-2000.

For more resources, visit [www.mskcc.org/pe](http://www.mskcc.org/pe) to search our virtual library.

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