Most food additives are safe, even if they have long chemical names (such as sucrose acetate isobutyrate or sodium erythorbate). Try to avoid the most questionable additives and you'll also avoid many of the least healthy foods.

SALT (and other sources of sodium)



The government has recommended that people cut their sodium consumption roughly in half, because excess sodium boosts blood pressure, contributing to kidney disease, heart attacks, and strokes. Many processed foods contain large amounts of sodium, while some restaurant foods contain huge amounts. If all Americans cut their sodium consumption in

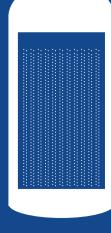
half, that would save

year.

about 100,000 lives per

SUGAR & HIGH-FRUCTOSE CORN SYRUP

THE TERRIBLE



These sweeteners, especially in drinks, contribute to obesity, diabetes, and heart disease. They also promote tooth decay. The average person consumes almost a quarter pound (about half a cup) of sugar, HFCS, dextrose, and other refined sugars each day.

The artificial trans fat in this oil is the single most

PARTIALLY HYDROGENATED OIL



harmful kind of fat, contributing to heart disease. It had been widely used in shortening, margarine, restaurant fryers, and many packaged foods. Usage declined by 75 percent between 2005 and 2013, but Americans still consumed almost two billion pounds of the oil in 2013. In 2015, the Food and Drug Administration banned the use of partially hydrogenated oil, with an effective date of 2018. The food industry is seeking numerous exemptions.

OTHERS TO WATCH





ASPARTAME

independent lab

ficial sweetener

rats and mice.

caused cancer in

Three studies by an

found that this arti-

3, Red 40, Yellow 5, Yellow 6) - Dyes trigger symptoms of ADHD in sensitive children. In the 1980s the FDA determined that Red 3 is a carcinogen, but industry pressure prevented the agency from banning it. In the 1990s FDA studies found high levels of a carcinogen (benzidine) in Yellows 5 and 6. Dyes are often used together with artificial flavorings to simulate—and replace—real fruit, egg, or vegetable ingredients. CAFFEINE A moderately addictive stimulant

FOOD DYES (Blue 1, Blue 2, Green 3, Red



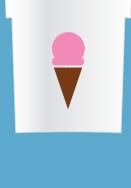
ACESULFAME-POTASSIUM A poorly tested artificial sweetener that might increase the risk of cancer.



and more foods and beverages.

Fine in small doses, but large doses might cause insomnia, anxiety, and reduced fertility. Children and women who are or might become pregnant should avoid caffeine. Powdered caffeine sold as a supplement, and possibly energy drinks, have caused deaths. **SACCHARIN** Saccharin appeared to cause

drug that is being added to more



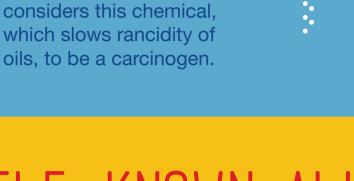
BHA The federal government



oils, to be a carcinogen.

A processed fungus in Quorn-brand imitation

and even fatal anaphylactic reactions.



not conclusive.

LITTLE-KNOWN ALLERGENS

cancer in many animal and human

concluded that those studies were

studies, but the government has

meat that causes severe vomiting, diarrhea,

CARMINE/COCHINEAL EXTRACT O This red coloring (extracted from an insect) causes

MYCOPROTEIN

TYPES OF FOOD INGREDIENTS

occasional allergic reactions, including anaphylaxis.

the food label to be individually listed

listed on





>7,000 not required





consumers don't see)

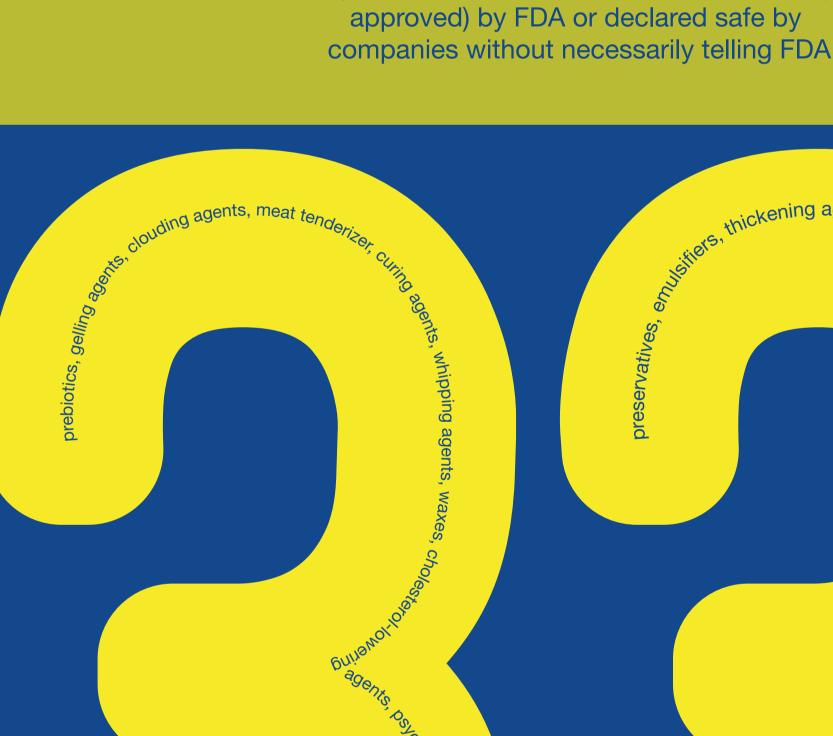


Food additives—

GRAS ("generally recognized as safe") ingredients either reviewed (but not formally

thickening agents, coloring, sweet and coloring, or color







, stnegs gninav_{69/} 10,000 CHEMICALS

1,000

3.800

500

chemicals.

not reviewed by FDA

pesticides

Data from Pew Food Additives Project.

GRAS as determined by manufacturer and

indirect additives/food contact substances



Mixtures of colorings, flavorings, fat, and a thickening agent can be used to create

imitation berries or other fruit.

make them appear to be healthful.

WAYS FOOD ADDITIVES ARE

TO TRICK CONSUMERS

Colorings and flavorings are used to

simulate real fruit juice, tricking people

into paying more for a beverage based on

Vitamins and minerals added to junk food

Transglutaminase ("meat glue") is an enzyme that splices small pieces of meat into larger steaks.



Hydrolyzed vegetable protein and MSG bring out meaty flavors and allow

companies to use less real food.

Caffeine is mildly addictive and added to

soft drinks partly to encourage people to



Canthaxanthin and astaxanthin are carotenoid colorings used to make farmed salmon appear as pink as more-expensive

wild salmon. Prepared by the nonprofit Center for Science in the Public Interest, Washington, DC. www.cspinet.org

drink more of them.