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The promise to give you wousness shaking, irritability, ance and increase concentration and reaction speed, have product, said Kiti Freier, a but health experts warn that target—teenageus—don't mix and blood pressure and blood pressure and can aggravate underlying problems.

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DRINKS: Caffeine, other ingredients a concern

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gy drinks are a small category in not alcoholic beverage sales, less than 6 percent, they are the fastest-growing category, up 80 percent between 2004 and 2005, Beverage Digest editor John-Sicher said.

With hip labels and their free distribution at wrestling matches and Supercross events, energy drinks entice a young crowd. Many teens swear by the drinks.

"If I have one when I get home from school, I'm more focused on my work," said Tiffany Le-Roux, 15, of Menifee, in southwest Riverside County She downs as many as four a day, equal to about three cups of coffee, and sometimes skips breakfast and lunch.

Jeff Diehl, owner of Highlandbased Nitro2Go, said the outlaw reputation fuels sales, but the criticism is unwarranted:

"The same parent that will give grief over a kid drinking an energy drink will buy their kid a 44-ounce Big Gulp, which has more caffeine and sugar," he said.

Diehl and other manufacturers say their products are safe when used in moderation. Still, warning labels on cans of Nitro2Go say it is not appropriate for people who are pregnant, nursing or sensitive to caffeine, and the product should be limited to no more than three a day. Many other energy drinks do not include such cautions on their labels.

Ounce for ounce, energy drinks have about four times the amount of caffeine found in regular sodas. SoBe No Fear has 158 milligrams of caffeine pereight ounces, nearly 20 times the caffeine per ounce as soda.

Some schools, including Rubidoux High School in Riverside and Jurupa Valley High School in Mira Loma, have stopped selling the popular drinks to comply with state law that bans campus sales of junk food, including sodas and energy drinks, beginning next summer. But not Great Oak High School in Temecula, which continues selling Monster and Rockstar at the student store.

"I know they're really popular with the kids, but I can't agine that they're great for you," said activities director Don Skaggs.

Middle school students crowd

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Hundreds of energy drinks fuel a \$3.5 billion industry in the United States. Here's what's in them:

CAFFEINE: Considered a drug, it is found in coffee, tea, cocoa and chocolate. In moderate doses, it can increase alertness. Addiction can produce withdrawal symptoms.

TAURINE: This is an amino acid naturally produced by the body and is also found in meat, fish and eggs. It is thought to help regulate heartbeat and maintain cell membranes. Drink makers say it helps the body recover from physical and mental stress:

CARNITINE: This is an amino acid and stimulant produced by the liver and kidneys, that helps turn fat into energy. The body produces all it needs, but supplemental carnitine might improve the ability of certain tissues to produce energy.

GINSENG: This is a Chinese herb

- that can be used as a stimulant; it
helps the body adapt to stress.

GUARANA: This is a South

American herb and stimulant that

can be used to regain strength; its

effects are similar to caffeine.

B-VITAMINS: These combat stress and boost energy. They are found in beef, milk and fortified cereals.

SOURCE: EBSCO PUBLISHING; WWW.BOTANICAL.COM; NEUROSCIENCE FOR KIDS

Gerrard's Market in Redlands before and after school to "load up with energy drinks and candy bars," owner Gene Thorpe said.

Duke University toxicologist Wilkie Wilson said long-term affects of caffeine on kids are unknown.

"The human brain is developing until the early 20s, at a very minimum. If you chronically alter its chemistry by the regular use of caffeine; then what will the developmental consequences be for that brain? That is an important and unanswered question."

Freier, of Loma Linda, worries even younger children are drinking more caffeine. Last year, Advocare introduced Kick Start Spark, a nutritional energy drink for children as young as 4, with vitamins, minerals and 60 milligrams of caffeine per serving, almost as much as

CAFFEINE LEVELS

Product -	Amount
Full Throttle	72 mg./8 oz.
Amp	. 75 mg./8:4 oz.
Nitro2Go	80 mg./8:4 oz.
Red Bull	80 mg./8.2 oz.
SoBe No Fear	158 mg./16 oz.
Coffee, brewed	107 mg./8 oz.
Starbucks	200 mg. (avg.)/8 oz.
Mountain Dew	55 mg./12 oz.
Diet Coke	45 mg./12 oz.
Jolt Cola	100 mg./12 oz.
No Doz	100 mg./tablet
Vivarin	200 mg./tablet
Excedrin	65 mg./tablet

SOURCE: NATIONAL SOFT DRINK ASSN.; JOURNAL OF ANALYTICAL TOXOCOLOGY, NEUROSCIENCE FOR KIDS

that found in two cans of Coke.

Doree Morgan, a registered dietitian at Kaiser Permanente in Fontana, said energy drinks are OK occasionally as long as they are balanced with good nutrition and adequate sleep. Because the cafferne in them is deliverating they should not be used during intense exercise, and should not be consumed every day, she said.

Morganalso raises issue with the sugar and empty calories in energy drinks and their effect on children's weight. Some of the drinks are sugar free, but those that aren't contain about 8 teaspoons of sugar in 8 ounces, slightly more than sodas, and 125 calonies.

Other prime Paredients — B-vitamins and the amino acids taurine and carritine — are either produced by the body or found in a healthy diet, she said,

The FDA has not addressed what the terms "energy" or "energizer" mean, nor what characteristics a product must possess, to use those terms, a spokesman said.

Colleen Beck, 17; can be buy the drinks anymore at Rubidoux High School, but she has no plans to give them up. "With all the ginseng and taurine in the energy drinks, you have, like, half a can and ... you're good to go for hours."