RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-60-6604-217
CAFFEINE PURE ANHYDROUS

DESCRIPTION

Anhydrous means without water, and caffeine anhydrous, is a processed, dehydrated form of caffeine. Caffeine anhydrous is becoming more popular as a supplement for weight loss and improved athletic performance. It is also present in food products such as caffeinated gum and energy bars.

PHYSICAL PROPERTIES

Melting point	235–238°C
Solubility	Moderately soluble in water at room temperature (2 g/100 mL), but quickly soluble in boiling water (66 g/100 mL). It's also soluble in chloroform, acetic acid, acetic anhydride, ethanol, and diethyl ether.
pH	A solution of caffeine (1 in 100) has a pH between 5.5 and 6.5

APPLICATION

Supplements
Caffeine anhydrous is used in weight loss supplements and supplements to improve athletic performance. It can also be used to treat fatigue and drowsiness.

Food and beverages
Caffeine anhydrous is used in caffeinated gum, energy bars, and other food and beverage products. It can also be used as a pharmaceutical ingredient.

Other applications
Caffeine anhydrous is used in pre-workout powder, diet pills, and as a performance enhancer for activities like running and cycling. It can also be used to treat migraine headaches, simple headaches, and headaches after epidural anesthesia.

Caffeine anhydrous is more concentrated than caffeine found in coffee, with one teaspoon of pure powdered anhydrous caffeine being equivalent to 2,700 milligrams of caffeine. It can have side effects, including headaches, insomnia, nausea, anxiety, and stomach upset.