

permits the separation and determination of a group of compounds that are not conveniently handled by either gas or liquid chromatography. These compounds are either nonvolatile or thermally labile so that gas chromatography cannot be used and they do not contain functional groups that make possible detection by liquid chromatography. SFC has been applied to a wide variety of materials including natural prodcuts, drugs, foods, pesticides and herbicides, fossil fuels, explosives and propellants.

supercritical fluid extraction → superkritična fluidna ekstrakcija

Supercritical fluid extractions (SFE) have solvating powers similar to liquid organic solvents, but with higher diffusivities, lower viscosity, and lower surface tension. The main advantages of using supercritical fluids for extractions is that they are inexpensive, contaminant free, and less costly to dispose safely than organic solvents. For non-destructive isolation choose SFE, which is simply the best technology for sensitive raw materials. For these reasons supercritical carbon dioxide (scCO₂) is the reagent used to extract caffeine from coffee and tea. Its gaslike behavior allows it to penetrate deep into the green coffee beans, and it dissolves from 97 % to 99 % of the caffeine present.

thixotropic fluid \rightarrow tiksotropni fluid

Thixotropic fluid (thixotropy) is a liquid that becomes less viscous when stirred. Paint and printing inks are thixotropic fluids, they are formulated so that they flow more freely when brushed or rolled.

Archimedes law → Arhimedov zakon

The upward force (buoyancy force) is exerted on a body floating in a fluid. It equals the weight of the displaced fluid.

Brownian motion Braunovo gibanje \rightarrow

Brownian motion is the continuous random movement of small particles suspended in a fluid, which arise from collisions with the fluid molecules. First observed by the British botanist R. Brown (1773-1858) when studying pollen particles. The effect is also visible in particles of smoke suspended in a gas.



Citing this page:

Generalic, Eni. "Newtonian fluid." Croatian-English Chemistry Dictionary & Glossary. 15 Dec. 2015. KTF-Split. 9 Mar. 2016. <http://glossary.periodni.com>.

f	8 ⁺	y	Ť
---	-----------------------	----------	---



f	8	S	3

GLOSSARY Bibliography

- IT project
- Add to glossary
- PERIODIC TABLE

Periodic Table

- JavaScript programs
- Download
- Articles and Tables

IMAGE GALLERY

Back to top

- Amino acids
- Bravais lattices
- Carbohydrates
- Crystal system
- Electrode
- Electrochemical cell
- Hazard labels
- Laboratory apparatus
- Laboratory glassware Molecular geometry
- Structural formulas

Copyright © 2015 by Eni Generalic. All rights reserved. | Disclaimer