

FREE CHEMISTRY PROPELLANT

without suffering from flow separation. Most chemical propellants release energy through redox chemistry, more specifically combustion. As such, both an oxidizing...

29 KB (3,879 words) - 08:48, 12 January 2024 Smokeless powder, also referred to as gunpowder, is a type of propellant used in firearms and artillery that produces less smoke and less fouling when...

37 KB (4,633 words) - 10:05, 9 February 2024 A propellant (or propellent) is a mass that is expelled or expanded in such a way as to create a thrust or another motive force in accordance with Newton's...

28 KB (3,727 words) - 03:04, 1 February 2024 The highest specific impulse chemical rockets use liquid propellants (liquid-propellant rockets). They can consist of a single chemical (a monopropellant)...

49 KB (3,554 words) - 16:40, 2 March 2024 hypergolic in Wiktionary, the free dictionary. A hypergolic propellant is a rocket propellant combination used in a rocket engine, whose components spontaneously...

24 KB (2,486 words) - 14:55, 13 February 2024 Michael S. (2009). *The Chemistry of Fireworks*. Royal Society of Chemistry. p. 45. ISBN 978-0854041275. Wolfe, Dave (1982). *Propellant Profiles*. Vol. 1. Prescott...

2 KB (257 words) - 13:48, 10 March 2023 cartridges. Ball propellant can be manufactured more rapidly with greater safety and less expense than extruded propellants. Ball propellant was first used...

12 KB (1,499 words) - 21:22, 2 November 2023 A solid-propellant rocket or solid rocket is a rocket with a rocket engine that uses solid propellants (fuel/oxidizer). The earliest rockets were solid-fuel...

44 KB (5,410 words) - 18:06, 16 January 2024 tetroxide is used as an oxidizing agent in one of the most important rocket propellant systems because it can be stored as a liquid at room temperature. Pedro...

20 KB (1,920 words) - 00:30, 23 December 2023 Organofluorine chemistry describes the chemistry of organofluorine compounds, organic compounds that contain a carbon–fluorine bond. Organofluorine compounds...

42 KB (4,741 words) - 19:43, 7 February 2024 combustion rate of a compound or substance such as a candle or a solid propellant. It is measured in length over time, such as millimeters per second or...

3 KB (417 words) - 22:01, 1 November 2023 a projectile. In guns, internal ballistics covers the time from the propellant's ignition until the projectile exits the gun barrel. The study of internal...

45 KB (6,404 words) - 15:54, 23 December 2023 *Industrial Chemistry*. Weinheim: Wiley-VCH.

doi:10.1002/14356007.a13_177. ISBN 978-3527306732. "A Summary of NASA and USAF Hypergolic Propellant Related Spills..."

50 KB (5,168 words) - 18:46, 28 February 2024 pentafluoride was once considered for use as an oxidizer for rockets. As a propellant, it has a higher maximum specific impulse than ClF₃, but with the same...

6 KB (433 words) - 07:39, 18 January 2024 the azide functional group. The dominant application of azides is as a propellant in air bags. Sodium azide is made industrially by the reaction of nitrous...

9 KB (1,004 words) - 14:38, 30 December 2023 Combined with a fuel, it can be used as a rocket propellant called ammonium perchlorate composite propellant. Its instability has involved it in a number...

8 KB (613 words) - 23:00, 11 February 2024 *Chemistry*. 76 (3): 292–298. doi:10.1021/j100647a002. Sellers, William F. S. (2017). "Asthma pressurised metered dose inhaler performance: Propellant effect..."

20 KB (1,790 words) - 13:37, 14 January 2024 as a propellant. Hair sprays consist of the following components: concentrate, plasticizers, luster agents, and fragrances, as well as propellants. Hair...

5 KB (666 words) - 22:36, 2 October 2023 A rocket engine uses stored rocket propellants as the reaction mass for forming a high-speed propulsive jet of fluid, usually high-temperature gas. Rocket...

101 KB (11,790 words) - 09:47, 19 February 2024 mercury requires much more energy to circulate as coolant. Mercury was a propellant for early ion engines in electric space propulsion systems. Advantages...

116 KB (12,411 words) - 16:01, 6 March 2024

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