



Prevent coke buildup / Increase PDH unit efficiency

DMDS Evolution® E2 is the leading sulfur-based, coke suppression and metallurgy protection technology that is used globally in Propane and Butane DeHydrogenation units. Hydrocarbons exposed to elevated temperatures form coke, which can cause metal carburization and affect heat transfer and flow dynamics. In less than 15 minutes, enough coke is formed to require PDH and BDH unit shutdown and immediate cleaning and decoking.

DMDS Evolution® E2 injection prevents coke from forming in hot areas of the PDH process, so your units can continue running efficiently and effectively.

Benefits of DMDS Evolution® E2

- ✦ Protects your PDH units and allows them to be online longer
- ✦ Provides the needed passivation against coking when used in low quantities (<100 ppm)
- ✦ Delivers a better scent than standard DMDS, improving the user experience
- ✦ Approved by Major Technology Licensors as the only sulfur compound for PDH and BDH units

Composition

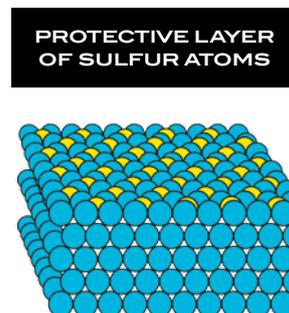
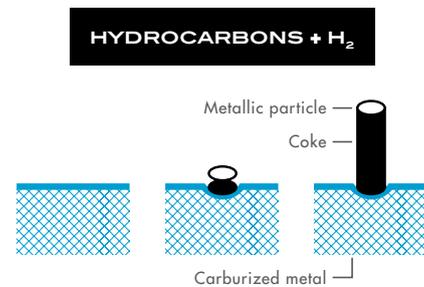
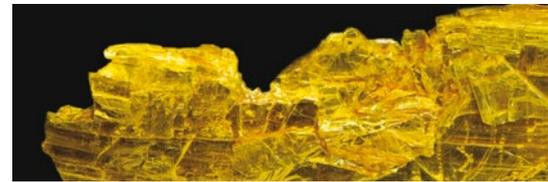
Appearance	Clear liquid
DMDS content	> 99.5%
Methyl Mercaptan content	< 0.01%
Water content	< 600 ppmw
Fragrance	< 0.3%
- C/H/O atoms	65/8/27 wt. %
- N atom	None

+40

Arkema has the largest worldwide production capacity with over 40 years of experience producing high-purity DMDS

600°C

DMDS Evolution® E2 decomposes completely by 600°C, enabling the formation of a protective layer of sulfur to prevent coke formation in your installation



Delivers an optimal release of H₂S

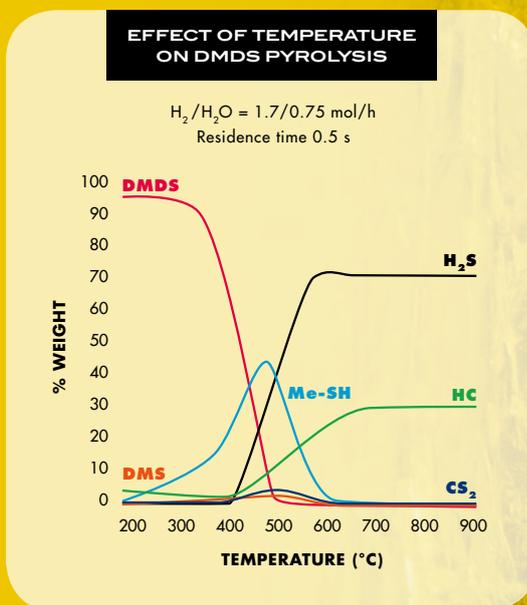
At 400°C, DMDS Evolution® E2 starts to release H₂S and decomposes completely by 600°C. The decomposition of our product enables the formation of a protective layer of sulfur to prevent coke formation in your installation.

Your partnership with Arkema, the worldwide DMDS supplier

Arkema has the largest worldwide production capacity with over 40 years of experience producing high-purity DMDS. Multiple production sites and strategically placed global distribution and bulk storage facilities ensure a fast and reliable worldwide supply to help you maintain profitability. DMDS and DMDS Evolution® E2 production is ISO 9001- and ISO 14001-certified.

About Arkema

A global chemical company and France's leading chemicals producer, Arkema is building the future of the chemical industry every day. Deploying a responsible, innovation-based approach, we produce state-of-the-art specialty chemicals that provide customers with practical solutions to such challenges as climate change, access to drinking water, the future of energy,



fossil fuel preservation and the need for lighter materials. With operations in nearly 50 countries, 19,000 employees, and research centers in North America, France and Asia, Arkema generates pro forma annual revenue of €7.5 billion and holds leadership positions in all its markets with a portfolio of internationally recognized brands.

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