



IN PARTNERSHIP WITH



# Renewable DME: a sustainable propellant for the next generation



## Renewable Origin, Clean Chemistry, and Reliable Performance

### Made from trees, not fossil fuels.

Made from naturally produced molecules, leftover from pulp production. 100% biogenic. Verifiable with carbon dating.

### Derived from natural products, making it easier for nature to break it down.

Non-bio accumulative and non-persistent in the atmosphere and the environment.

### Excellent solvency.

Reduces the need for supplementary solvents in product formulations and works well in water-based formulations

### 60 - 70 % reduction in GHG emissions

compared to fossil-based propellants, verifiable using established life cycle analysis methodologies.

### Supports sustainability goals.

Supports Scope 3 emissions reductions and Environmental, Social, and Governance (ESG) goals.

### Aligned with clean chemistry

and green formulation principles.

### Safe to use.

Non-carcinogenic, non-mutagenic, non-endocrine disrupting.

## Ultra-Low Climate Impact

<b>Global Warming Potential</b>	GWP = 1, comparable to CO2 on a 100-year basis*.
<b>Zero ozone depletion potential</b>	ODP = 0, ozone safe with no bromine or chlorine.
<b>Low-impact atmospheric profile</b>	Short atmospheric lifetime of ~5 days offers negligible contributions to long-term atmospheric warming*.
<b>Maximum Incremental Reactivity (MIR)</b>	0.81 grams of ozone per gram of propellant

\*Intergovernmental Panel on Climate Change (IPCC), 2007.

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