CONSER C4 Derivatives™

Reducing waste, elevating quality

About NEXTCHEM

NEXTCHEM is MAIRE's company dedicated to Sustainable Technology Solutions. Leveraging our profound expertise in nitrogen, hydrogen, carbon capture, fuels, chemicals, and polymers, we deliver groundbreaking solutions and processes that fully enable the energy transition.

Building on the rich legacy of our group for over 70 years, we are dedicated to developing and offering technology solutions, processes, basic engineering designs, as well as proprietary equipment and catalysts, to drive global decarbonization efforts forward.

Creating value from C4 Streams

We can provide substantial improvement vs conventional technologies for C4 upgrading such as a patented off-gas recycling leading to unmet process performances.

Our technology can provide support in many production processes - including Malic/Fumaric Acids, THF[1], BDO[2], NMP[3], HHPA[4], THPA[5] and γ-Butyrolactone.

Our offer includes feasibility studies (FS), license, process design package (PDP), proprietary equipment (PEQ) and catalysts.

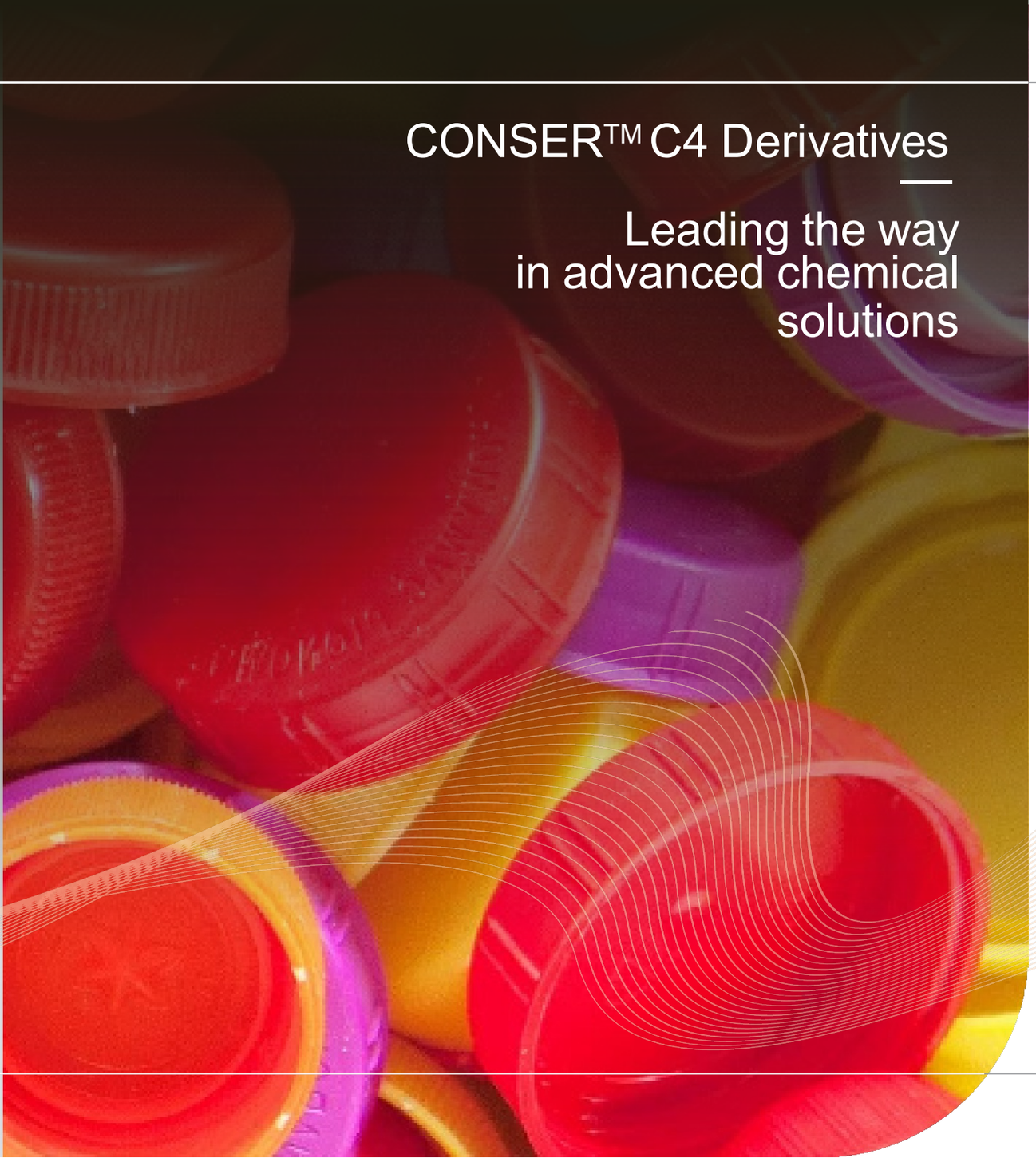
1. Tetrahydrofuran
2. Butanediol
3. N-Methyl Pyrrolidone
4. Hexahydrophtalic Anhydride
5. Tetrahydrophtalic Anhydride

Our solution to produce sustainable polymers

We are capable to flexibly valorize C4 (Butane) stream into high added value molecules via upgrading to Maleic Anhydride.

Starting from C4 stream, we can produce a plethora of molecules that have a wide variety of application: from biodegradable plastic production to the manufacturing of Li-ion batteries.

Among these markets, bio-degradable plastics are expected to undergo a strong growth in demand considering the drastically lower environmental impact of these materials in their end-of-life treatment.



CONSER™ C4 Derivatives

Leading the way in advanced chemical solutions

Applications

- Polymers
- Plasticizers
- Battery/Electrics
- Solvent/Lubricant
- Food Industry
- Pharma

Your benefits

1. Fully continuous operations
2. Processes engineered to minimized waste
3. Lean processes in terms of utilities and feedstock consumption
4. High product quality and purity, above market standard

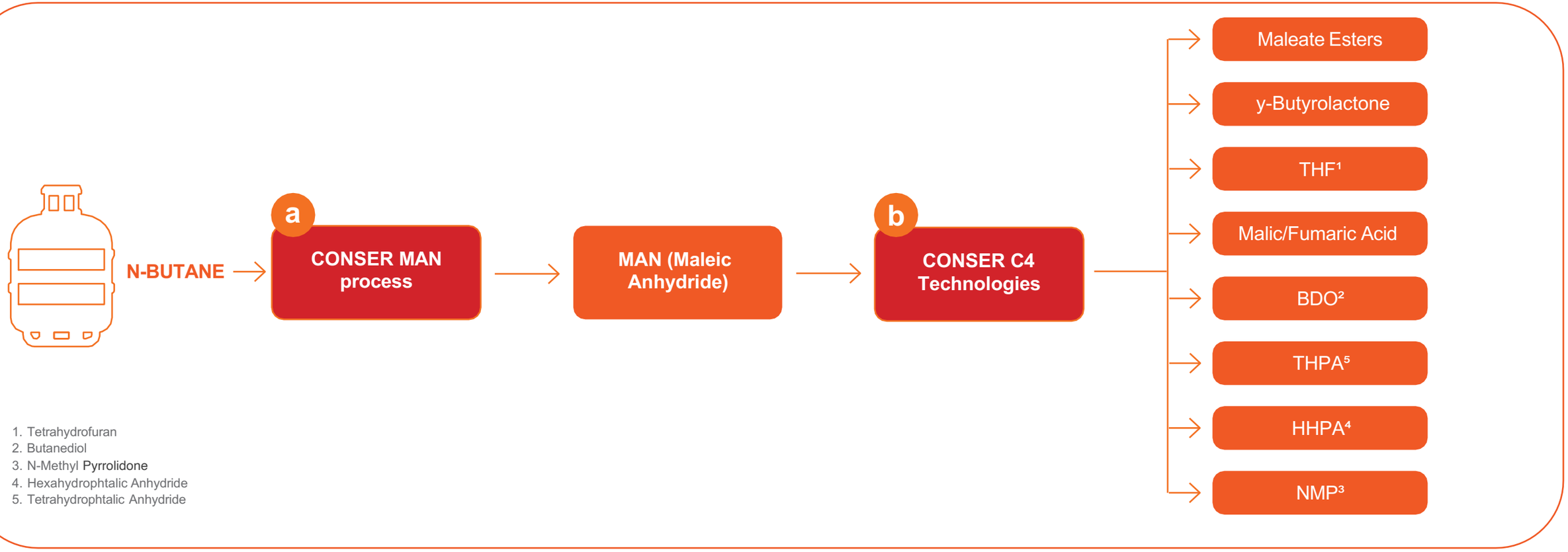
Technical overview

a

Gas phase production of MAN (Maleic Anhydride) from N-Butane, CONSER technology maximizes the MAN productivity while offering a unique opportunity of recycling off-gas of N-Butane to minimize process waste.

b

We can provide processes for producing the entire spectrum of MAN derivatives. This empowers our clients with the flexibility to manufacture an extensive variety of products, catering to diverse market needs.



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