

ABSTRACT

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IMPROVED PROCESS FOR METHACRYLIC ACID AND
METHACRYLIC ACID ESTER PRODUCTION

5 Provided herein are improved methods for producing methacrylic acid and
methacrylate esters using combined or “integrated” processing steps including integrated
hydrolysis, integrated cracking systems, and combinations thereof. In one embodiment, other
aspects of an methacrylic acid and methacrylate ester production trains are integrated. Also
provided are methods to purify crude methacrylic acid streams to form glacial methacrylic
acid that is at least 95% pure.