

October 13, 2023

Japan Material Technologies Corporation

## **JMTC concludes an agreement with Osaka University for the transfer of intellectual property rights related to epoxy compound production technology**

Japan Material Technologies Corporation (Head Office: Chuo-ku, Tokyo; President: Koyu Urata; "JMTC") has acquired the intellectual property related to the method for producing epoxy compounds from Osaka University.

This agreement is subject to the epoxy compound production technology discovered through joint research by JX Nippon Oil & Energy Corporation (currently ENEOS Corporation) and the Institute of Scientific and Industrial Research, Osaka University. Halogen-free high-performance epoxy materials can be produced using polyacid catalyst/apatite powder (commercial registration: "Nonhalite®") that can achieve clean oxidation reactions.

<Epoxy compound production by oxidation reaction system using Nonhalite®>



JMTC signed a license agreement with Osaka University regarding Nonhalite® in September 2017, and has deepened knowledge of oxidation reaction technology through the provision of prototypes and samples. Recently, JMTC has also provided samples of polycyclic alicyclic epoxy DCPD-DE, a characteristic high-performance epoxy material by an oxidation reaction using Nonhalite®, and is working to commercialize it as soon as possible by studying its potential application in next-generation electronics materials. In order to further strengthen and accelerate the efforts to expand and scale up the product lineup, JMTC has decided to acquire the intellectual property related to the method for producing epoxy compounds.

JMTC works on the commercialization of innovative technologies developed by Japanese companies, universities and research institutes through license-outs and carve-outs. JMTC will continue efforts to promote the commercialization of underutilized innovative material technologies, eventually contributing to innovations in Japan's materials industry.