

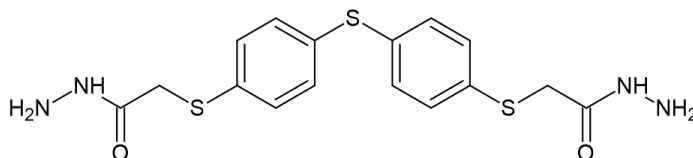
August 20, 2025  
Japan Material Technologies Corporation

## **License Agreement Concluded with Mitsui Chemicals Regarding Resins Containing Acylhydrazone Bonds**

Japan Material Technologies Corporation (Head Office: Chuo-ku, Tokyo; President: Koyu Urata; “JMTC”) has concluded a license agreement (“the Agreement”) with Mitsui Chemicals, Inc. (Head Office: Chuo-ku, Tokyo; President: Osamu Hashimoto; “Mitsui Chemicals”) regarding resins containing acylhydrazone bonds and their key component, dihydrazide monomers.

The Agreement covers polymers containing acylhydrazone bonds developed independently by Mitsui Chemicals (“the Polymers”), as well as their main component, dihydrazide monomers (“the Monomers”). The Polymers have high refractive indices due to increased resin density resulting from its acylhydrazone bonds with hydrogen bonding ability. Among the Monomers, dihydrazide monomers containing sulfur are expected to form high-refractive-index, heat-resistant, transparent resins when condensed with dialdehyde monomers. JMTC will utilize the non-registered exclusive license obtained through the Agreement to promote early commercialization of the Monomers by supplying it to optical resin material manufacturers and others.

<Example of the Monomer>



JMTC has been engaged in the industrialization of optical resin materials with high refractive indices and heat resistance, including VSTCD with a tricyclodecane structure and APP with a pyridazine structure. With increasing functionality of sensors, cameras and communication modules in applications such as automotive systems, information and communication technologies and AR/VR devices, market demand for resins used in lenses and optical waveguides is rapidly expanding and diversifying. JMTC will continue to actively engage in the commercialization of innovative optoelectronics-related materials.

JMTC has been working to commercialize innovative technologies developed by Japanese companies, universities and research institutes through license-outs and carve-outs. JMTC will continue to contribute to innovation in Japan’s materials industry by promoting the commercial application of unused innovative material technologies.