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Crystal Data: n.d. *Point Group:* n.d. Conchoidal to earthy; as microscopic threadlike particles, and bundles of fine tubes, each about 20 Å in diameter.

Physical Properties: Fracture: Conchoidal, earthy. Tenacity: Brittle. Hardness = 2-3 D(meas.) = 2.70 D(calc.) = 2.70

Optical Properties: Transparent to translucent. *Color:* White, blue, green, brown, black. *Luster:* Vitreous, resinous, waxy. *Optical Class:* Isotropic. n = 1.47-1.51

Cell Data: Space Group: n.d. c = 8.4; $5.1 \perp c Z = n.d.$

X-ray Powder Pattern: Uemura, Japan; by electron diffraction. 21.0 (100b), 4.12 (100), 1.40 (100), 11.7 (80b), 7.8 (80b), 3.75 (80b), 2.32 (80b)

Chemistry: An analysis of natural material does not appear to be available.

Occurrence: In soils derived from volcanic ash.

Association: Allophane, quartz, cristobalite, gibbsite, vermiculite, "limonite".

Distribution: Probably quite widespread in volcanic-ash-derived soils. In the Misutsuchi bed, Iijima, Nagano Prefecture; the Kanumatsuchi bed, Kanuma, Tochigi Prefecture; and from Uemura, Kumamoto Prefecture, Japan.

Name: For the name, *Imogo*, of the brownish yellow volcanic ash soil of Japan in which it occurs.

Type Material: n.d.

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