



ABSTRACT OF THE DISCLOSURE

An allyl isothiocyanate (AIT) controlled-release preparation comprising AIT and a shellac, the shellac acting as a barrier against AIT release. Such preparation comprising a shellac incorporating AIT (AIT-incorporating shellac). A preparation wherein the AIT-incorporating shellac is a plate, a block, a granule or the like, or adhered to or mixed with a base material; a preparation wherein the base material is selected from plastic plate, paper, nonwoven fabric and woven fabric; and an AIT controlled-release preparation wherein AIT in the AIT-incorporating shellac is carried by a carrier. Use of said preparation and production method thereof. Said AIT controlled-release preparation can be formed into those having various AIT vapor release speeds, by selecting the composition and forming method of the AIT-incorporating shellac. According to said preparation, a sustained release of AIT vapor over an extended period is possible. The AIT-incorporating shellac can be easily processed into various forms and can provide various forms of preparations. The preparation of the present invention is extremely stable and is useful in various fields of foodstuffs, packaging materials, building materials and the like, as a functional preparation having antimicrobial property, mold-preventive property, freshness-retaining property and insectproof property.