

ABSTRACT

**N-SUBSTITUTED CARBAMIC ACID ESTER PRODUCTION METHOD,
ISOCYANATE PRODUCTION METHOD USING SUCH N-SUBSTITUTED
CARBAMIC ACID ESTER, AND COMPOSITION FOR TRANSFER AND STORAGE
5 OF N-SUBSTITUTED CARBAMIC ACID ESTER COMPRISING N-SUBSTITUTED
CARBAMIC ACID ESTER AND AROMATIC HYDROXY COMPOUND**

The present invention is a method for producing an N-substituted carbamic acid ester derived from an organic amine from an organic amine, a carbonic acid derivative
10 and a hydroxy composition containing one or more types of hydroxy compounds, wherein the organic amine, the carbonic acid derivative and the hydroxy composition are reacted using a urethane production reaction vessel provided with a condenser, a gas containing the hydroxy composition, the compound having the carbonyl group derived from the carbonic acid derivative, and an ammonia formed as a by-product in
15 the reaction, is introduced into the condenser provided in the urethane production reaction vessel, and the hydroxy composition and the compound having the carbonyl group derived from the carbonic acid derivative are condensed, and wherein a stoichiometric ratio of a hydroxy compound contained in the condensed hydroxy composition to the condensed compound having the carbonyl group derived from the
20 carbonic acid derivative is 1 or more, and a ratio of number of carbonyl groups (-C(=O)-) contained in the compound having the carbonyl group derived from the carbonic acid derivative and number of ammonia molecules contained in the ammonia recovered as a gas from the condenser is 1 or less.

Fig. 1