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>>Entry Name: Aluminium titanium chloride ( $\text{AlTi}_3\text{Cl}_{12}$ ), 9Cl

CAS Registry Number: 12003-13-3

$\text{AlTi}_3\text{Cl}_{12}$

**Molecular Formula:**  $\text{AlCl}_{12}\text{Ti}_3$

**Molecular Weight:** 596.054

**Accurate Mass:** 590.451604

**Percentage Composition:** Al 4.53%; Cl 71.37%; Ti 24.10%

**Source/Synthesis:** Synth. by reduction of  $\text{TiCl}_4$  with Al powder

**Use/Importance:** Catalyst for stereospecific polym. of alkenes

**Physical Description:** Cryst.

**References:**

*Belg. Pat.*, 1963, 631 587; *CA*, **60**, 12919c, (*synth*)

*Fr. Pat.*, 1972, 2 124 617; *CA*, **78**, 160353f, (*synth*)