



Product Specification

cdhfinechemical.com

TERT-BUTYL DIMETHYLSILYL CHLORIDE

PRODUCT CODE	033415
SYNONYMS	Tert-butyl(chloro)dimethyl silane, tert-butyldimethylchlorosilane, TBDMCI
C.I. NO.	--
CASR NO.	(18162-48-6)
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₁₅ ClSi
ATOMIC OR MOLECULAR WEIGHT	150.72
PROPERTIES	--

$$\begin{array}{c} \text{H}_3\text{C} \quad \text{Cl} \\ | \quad | \\ \text{H}_3\text{C}-\text{C}-\text{Si}-\text{CH}_3 \\ | \quad | \\ \text{H}_3\text{C} \quad \text{CH}_3 \end{array}$$

PARAMETER	LIMIT
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Description	Colorless or white crystals, crystalline solid or chunks.
Solubility	5% solution in toluene is clear.
Minimum assay (GC)	98.0%
Identification (FTIR)	Conforms
Melting range	86 – 90°C

Note(s): Assay (if applicable) method mentioned.

DANGER HAZARD STATEMENTS: Flammable liquid and vapour. Harmful in contact with skin. Harmful if inhaled. May be harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. . Causes serious eye damage. Harmful to aquatic life. PRECAUTIONARY STATEMENTS : Prevention: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Keep only in original container. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.	IMDG Code : 8(4.1) / II UN No. : 2925 IATA : 8(4.1)
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Disposal: Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large quantities of running water.

Hazard pictogram(s) :

GHS02

GHS05

Replace Date-19-Feb.2021