

## 1. Product and Company Identification

www.rxmarine.com

Product Name

Tert BUTYLDIMETHYLSILYL CHLORIDE FOR SYNTHESIS

Part Number

RXSOL-60-6605-663

Company Details:

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## 2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight	Formula
Tert.-butylchlorodimethylsilane	18162-48-6	242-042-4	2.000 mg/kg (OECD Test Guideline 423) Inhalation: No data available Dermal: No data available	
Skin corrosion/irritation	Skin - Rabbit Result: Corrosive - 4 h (OECD Test Guideline 404)			
Serious eye damage/eye irritation	Remarks: Causes serious eye damage.			
Respiratory sensitization or skin	Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406)			
Toxic Effects on Human	May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer).			
Carcinogenicity	No data available			
Germ cell mutagenicity	Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster fibroblasts Metabolic activation: with and without metabolic activation Method: OECD			

	<p>Test Guideline 473 Result: positive Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD</p> <p>Test Guideline 490 Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster fibroblasts Metabolic activation: with and without metabolic activation Method: OECD</p> <p>Test Guideline 487 Result: negative</p>
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	Inhalation - May cause respiratory irritation.
Endocrine properties	<p>disrupting The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Quantitative data on the toxicity of this product are not available. Further data: Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.</p>

## 12. Ecological information

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Bioaccumulative potential

Bioaccumulation Cyprinus carpio (Carp) - 41 d at 20 °C(Silver nitrate) Bioconcentration factor (BCF): 70

Persistence and degradability

Biodegradability aerobic - Exposure time 28 d Result: 81 % - Readily biodegradable. (OECD Test Guideline 301F)

Toxicity to fish	Flow-through test LC50 - <i>Gambusia affinis</i> (Mosquito fish) - 8.510 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - <i>Daphnia magna</i> (Water flea) - 6,49 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	ErC50 - <i>Pseudokirchneriella subcapitata</i> (green algae) - 84 mg/l - 72 h (OECD Test Guideline 201) NOEC - <i>Pseudokirchneriella subcapitata</i> (green algae) - 12,5 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	EC50 - <i>Photobacterium phosphoreum</i> - 3.070 mg/l - 5 min Remarks: (IUCLID)
Mobility in soil	No Information available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	We have no quantitative data concerning the ecological effects of this product. Further information on ecology Discharge into the environment must be avoided.

### 13. Disposal considerations

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Disposal methods	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	No data available

### 14. Transport information

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UN number	ADR/RID:2925 IMDG: 2925 IATA:2925
UN proper shipping name	ADR/RID:Flammable solid, corrosive, organic, n.o.s. (tert.-butylchlorodimethylsilane)
	IMDG:Flammable solid, corrosive, organic, n.o.s. (tert.-butylchlorodimethylsilane)
	IATA:Flammable solid, corrosive, organic, n.o.s. (tert.-butylchlorodimethylsilane)
Transport hazard class(es)	ADR/RID:4.1 (8) IMDG:4.1 (8) IATA:4.1 (8)
Packaging group	ADR/RID: II IMDG: II IATA: II
Environmental hazards	ADR/RID: NO IMDG: NO IATA: NO
Further information	No data available

### 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out
National legislation	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : ENVIRONMENTAL HAZARDS
Other regulations	Take note of Dir 94/33/EC on the protection of young people at work.

**Other Information**

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