

## Description

**CASACIDE T310** is a fully formulated concentrated liquid biocide containing 60 % TCMTB [2-(thiocyanomethylthio) benzothiazole], a non-metallic organosulphur compound with excellent fungicidal and bactericidal activity. The product is stable in both acidic and mildly alkali media.

Upon dilution, **CASACIDE T310** produces stable water based emulsions that are stable for up to 48hrs. This product is therefore ideal for dilution and immediate use at the tannery if used without addition of surfactants but can also be used with longer storage times when used with additional surfactants

**CASACIDE T310** has been developed to ensure that it remains a free-flowing liquid for ease of handling.

## Chemical Composition

Active Ingredient	2-(Thiocyanomethylthio) benzothiazole (TCMTB)
Formula	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> S <sub>3</sub>
CAS Number	21564-17-0
EINECS Number (EU)	224-445-0
ENCS Number (Japan)	5-3424
ECL Number (Korea)	KE33783

## Properties

Commercial Product Name	CASACIDE T310
Appearance	Brown liquid
pH (5 % w/w in distilled H <sub>2</sub> O)	typically 4.5
Specific Gravity	1.31 at 25°C
Odour	Faint, characteristic
Stability	Stable under normal storage conditions. Decomposes when exposed to temperatures above 60°C prolonged periods.
Solubility	Forms an emulsion on addition to water

## Applications

**CASACIDE T310** contains 60% TCMTB as an active ingredient and is a proven powerful fungicide for use in the processing of leather. The acid/alkali stability of TCMTB enables **CASACIDE T310** to be used in all stages of leather processing and production. Typically **CASACIDE T310** is converted to a 30% a. i. emulsion, which can then be further diluted with water for use in the tannery which can be used within 48hrs of dilution

## Key Features of CASACIDE T310

- **Casacide T310** contains 60% TCMTB as an active ingredient which has been proven to be an effective broad spectrum biocide / fungicide
- **Casacide T310** is a mobile liquid for ease of handling and application.
- **Casacide T310** can be formulated to give stable emulsions in water.
- **Casacide T310** can be further formulated with a range of surfactants to give added substrate penetration and surface contact
- **Casacide T310** is stable in both acidic and alkaline media, extending its range of industrial biocidal and fungicidal applications

## Availability

Further details and information on **CASACIDE T310** and other Casacide products for specific applications are available. Please contact the Sales and Marketing department at Thomas Swan & Co Ltd.