

# Casacide™ T300

(2-(Thiocyanomethylthio)benzothiazole (TCMTB))



Regulatory assurance  
and security of supply



Formulate with  
Ease



UK Manufacture,  
integrated global  
supply network

## Product Description

Casacide™ T300 is a mobile liquid 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 alkaline media and can be used in a single formulation or combined with other active ingredients.

Casacide™ T300 can be formulated with a range of surface-active agents which can form stable emulsions when diluted further with water.

## Applications

- Leather Processing (Primary Use): Pickling, chrome tanning, and wet blue storage
- Use in high-end leather (automotive, upholstery), footwear, fashion, and industrial goods
- Paper & Pulp Manufacturing: Applied in white water systems, pulp tanks, and coating formulations. Controls slime, mould, and bacterial build-up in mills
- Paints, Coatings & Adhesives: as a dry film and in-can preservative in solvent borne coatings. Protects decorative and industrial paints from microbial spoilage
- Textiles & Non-wovens: used to preserve technical textiles, geotextiles, and non-woven fabrics. Prevents microbial degradation during storage and in humid environments

## Features and Benefits

- 60% TCMTB active ingredient for high potency
- Stable under acidic and alkaline conditions, ensuring broad compatibility across formulations
- Readily formulated with common surfactants to produce stable aqueous emulsions
- Effective from early pickling to final leather storage, maintaining hide integrity
- Reduced spoilage, improved leather yield, and better shelf-life of semi-finished leather
- Supplied in an easy-to-handle liquid form, reducing solid handling issues
- Used and trusted globally in industrial leather applications
- Energy independent as a result of our on-site anaerobic digestion facility
- Trusted partner- celebrating 100 years of chemical manufacturing in 2026
- Global network of sales offices, direct logistics and US and UK formulating production centres ensuring security of supply and short lead times from stock.

## Mode of Action

Casacide™ T300 (2-Thiocyanomethylthio benzothiazole) acts by interfering with key microbial metabolic processes. It reacts with thiol (-SH) groups on essential enzymes and proteins within fungal and bacterial cells. This interaction disrupts cellular respiration, protein synthesis, and membrane integrity, leading to cell death. Its lipophilic structure enables penetration through microbial cell walls, providing fast-acting and residual antimicrobial activity.

This dual-action mechanism makes Casacide™ T300 highly effective against both gram-positive and gram-negative bacteria, yeasts, and moulds, even under moist and alkaline process conditions.



Committed to Responsible Care



**Thomas Swan**  
Industrial Specialities

# Casacide™ T300

## Physical and Chemical Properties

Chemical Name, synonyms	2-(Thiocyanomethylthio)benzothiazole
CAS Number	21564-17-0
Physical Form	Liquid
Appearance	Brown liquid
Specific Gravity @ 20°C	1.26
Flash Point (PMCC)	>99°C
Freezing Point	<-5°C
Solubility	Miscible with most organic solvents; emulsifiable in water

## Packaging

250 kg drums, 1000 kg IBCs, Other sizes available upon request.

## Shelf Life

Store under cool, dry conditions. It is recommended that the material be used within 12 months of certification.

## Handling

Wear appropriate PPE: gloves, goggles, protective clothing Avoid contact with skin and eyes

Refer to SDS for full handling guidelines.

## Guidelines for Use

Typical Working Emulsion:

Dilute Casacide™ T300 to a 30% A.I. emulsifiable concentrate, using compatible surfactants and co-solvents.

Further dilute this concentrate with water at point-of-use.

## Inventory Status

Australia (AICS)	Canada (DSL/NDSL)	China (IECSC)	Indonesia	Israel	Japan (ENCS)	Korea (MEO/ECL/AREC)	Malaysia (EHSNR)	Mexico (INSQ)
✓	✓	✓	✗	✗	✓	✓	✓	✓

New Zealand	Philippines (PICCS)	Taiwan (TCSI)	Thailand (TDCA)	Vietnam (VNECI)	UK (REACH)	EU (REACH)	US (TSCA/FDA)	KKDIK Turkiye
✓	✓	✓	✓	✓	BPR	BPR	Active	BPR

Ukraine REACH
BPR

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