

Casacide™ T310


(2-(Thiocyanomethylthio)benzothiazole (TCMTB))



Regulatory assurance and security of supply



Superior Emulsion Stability



UK Manufacture, integrated global supply network

Product Description

Casacide™ T310 is a fully formulated concentrated liquid biocide containing 60 % TCMTB, 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.

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 solventborne coatings. Protects decorative and industrial paints from microbial spoilage
- Textiles & Nonwovens: used to preserve technical textiles, geotextiles, and nonwoven fabrics. Prevents microbial degradation during storage and in humid environments

Features and Benefits

- 60% TCMTB for powerful, broad-spectrum antimicrobial protection
- Enhanced stability when emulsified with water, enabling longer working time and more reliable dispersion
- Effective across a wide pH range, supporting multiple industrial applications
- Free-flowing liquid suitable for automated metering and mixing
- Versatile use in leather processing, pulp & paper, coatings, and water treatment
- 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™ T310 (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™ T310 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™ T310

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	1.31
Flash Point (PMCC)	>93°C
Freezing Point	<-5°C
Solubility	Miscible with most organic solvents; emulsifiable in water

Packaging

200 litre capacity tight-head, lacquer lined, non-returnable steel drums.

250 kg and 1000 kg IBCs 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™ T310 to a 30% active emulsion using a compatible non-ionic surfactant system.

Further dilute with water prior to use; use within 48 hours for optimal stability.

When diluted directly with water, Casacide™ T310 forms a stable aqueous emulsion that remains homogeneous for up to 48 hours, providing formulation convenience and consistent microbial protection. This makes it especially suitable for centralised batching and distribution in tanneries and large-scale processing.

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 (Turkey)
✓	✓	✓	✓	✓	Registered under BPR	Registered under BPR	Active	Registered under BPR

Ukraine REACH
BPR

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