

Description

CASACIDE T400 is a non-metallic organosulphur compound with excellent fungicidal and bactericidal activity. The active ingredient, 2-(Thiocyanomethylthio) benzothiazole (TCMTB), is stable in acidic and alkali media and can be used in a single formulation or combined with other active ingredients.

CASACIDE T400 can be formulated with a range of surface active agents to produce a concentrated blend which can form stable emulsions when diluted with water. The surfactants ensure rapid penetration of the TCMTB into a range of organic substrates resulting in long lasting microbial protection against a broad range of bacteria and fungi.

Chemical Composition

Active Ingredient	2-(Thiocyanomethylthio) benzothiazole (TCMTB)
Formula	$C_9H_6N_2S_3$
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 T400
Appearance	dark red to brown liquid
Specific Gravity	1.4 at 25°C
Odour	faint
Flash Point (Open Cup)	189°C
Stability	Stable under normal storage conditions. Decomposes above 60°C
Viscosity (20°C)	7100 cP
Solvent Solubility	Methanol - 7 %, Ethanol - 5 % N-Methylpyrrolidone - Miscible Water - 0.01 %

Specification

Assay (as TCMTB)	Minimum 80% A.I.
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Application

CASACIDE T400 is a proven broad spectrum biocide which can be used in a wide range of industrial applications including:-

the product's excellent fungicidal activity and acid / alkali stability make it the preferred product for leather preservation applications.

CASACIDE T400 has proven highly effective in the prevention of sap-stain in freshly felled timber, and can also provide excellent long-term preservation in treated wood samples.

suitable formulations of **CASACIDE T400** have been developed to control all aspects of algal, fungal and bacterial contamination in the neutral / alkali paper and boardmaking manufacturing processes.

Industrial Cooling Water Treatment using a combination of **CASACIDE T400** and other active ingredients has proven effective in the treatment of industrial process waters.

CASACIDE T400 is an effective biocide for surface coatings, giving both in-can and film protection.

Key Features of CASACIDE T400

contains a certified 80% TCMTB as active ingredient and has been proven to be an effective broad spectrum biocide.

can be formulated to produce stable emulsions in water.

is readily formulated with a range of surface active agents.

is stable in both acid and alkali media, thus extending its range of industrial biocidal applications.

Availability

CASACIDE T400 is available in 25 kg drums or other pack sizes upon request. For further details and information on other **CASACIDE** products and formulations for specific end-use industrial applications, please contact the Sales Department at Thomas Swan & Co. Ltd.