



Troysan® S89

Cost-effective, Broad-spectrum, Dry-Film preservative for various applications

Description	The product is a dry-film preservative that provides protection against fungal and algal growth on surfaces. It is a free-flowing, aqueous, VOC-free dispersion product.						
Application/Use	The product is useful for the protection of various systems for exterior applications such as paints, coatings, stuccos, adhesives, sealants, other industrial applications. The product is usually suitable for use under the following conditions: pHs between 3 - 10 Temperatures up to 60 °C						
Highlights	<ul style="list-style-type: none"> ● Broad-spectrum efficacy against fungi and algae ● Free of VOC ● Free of N labelling at typical use levels ● Cost effective 						
Physical Properties	<p>These properties are typical properties of the product. They are not product specifications.</p> <p>Appearance: Off-white, free-flowing dispersion</p> <p>Specific Gravity, 20 °C [g/ml]: ca. 1.1</p> <p>pH (as is): ca. 7</p> <p>Viscosity, 20 °C [mPas]: 2.000 - 10.000</p> <p>Solubility: Nearly insoluble in water</p>						
Active Ingredient	<table border="0" style="width: 100%;"> <tr> <td style="width: 80%;">2-Octyl-2-isothiazolin-3-one</td> <td style="text-align: right;">2.2 %</td> </tr> <tr> <td>Carbendazim</td> <td style="text-align: right;">10 %</td> </tr> <tr> <td>Diuron</td> <td style="text-align: right;">19 %</td> </tr> </table>	2-Octyl-2-isothiazolin-3-one	2.2 %	Carbendazim	10 %	Diuron	19 %
2-Octyl-2-isothiazolin-3-one	2.2 %						
Carbendazim	10 %						
Diuron	19 %						
Function/Activity	<p>Suggested Application Level</p> <p>Suggested use levels are based on laboratory and field evaluations and are typical for the applications indicated. The actual level required for your system is formulation specific. The selection of the individual components of the formulation, the substrate to be coated, and the environment in which the coating will be exposed all have an influence on the amount of protection needed. Suggested use levels are reported as percentage of the end-use product.</p> <table border="0" style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 80%;">Exterior paints and coatings</td> <td style="text-align: right;">0.4 - 0.9 %</td> </tr> <tr> <td>Exterior stuccos</td> <td style="text-align: right;">0.3 - 0.7 %</td> </tr> <tr> <td>Adhesives and sealants</td> <td style="text-align: right;">0.4 - 0.9 %</td> </tr> </table> <p style="margin-top: 10px;">According to EU regulations, the product is label free up to the following use-level: 0.13 % R52/53 labelling is required between use-levels of 0.13% and 1.0%.</p> <p>Paints, coatings and stuccos: In hot, humid areas where the microorganisms are a particularly severe problem, the upper application levels are suggested.</p> <p>-</p> <p>Adhesives and sealants: The product can be used as an additive to prevent the growth of microorganisms in both, the wet stage and cured adhesives and sealant formulations.</p> <p>TROY's Microbiological Laboratory is available to provide additional assistance in determining the proper level of protection needed for your system.</p>	Exterior paints and coatings	0.4 - 0.9 %	Exterior stuccos	0.3 - 0.7 %	Adhesives and sealants	0.4 - 0.9 %
Exterior paints and coatings	0.4 - 0.9 %						
Exterior stuccos	0.3 - 0.7 %						
Adhesives and sealants	0.4 - 0.9 %						
Formulating Considerations	<p>General Formulation Notes</p> <p>The product should be added with good agitation or mixing at the end of the manufacturing cycle after pH adjustments have been made (not during the grind). It is compatible with most known aqueous systems.</p> <p>Due to various possibilities of application and different methods of processing, it is advised to check compatibility in the development of new products.</p>						



For further assistance, please contact your TROY representative.

VOC content according to EU directive 1999/13/EC: 0 %
 VOC content according to EU directive 2004/42/EC (DecoPaint Directive): 0 %

Labeling And Transport

For the most updated and complete information on classification, labeling and transport, please refer to the most current Safety Data Sheet.

Handling, Storage, Health And Safety

For the handling of this product, the usual precautions for preservatives have to be taken. Contact with the concentrate should be avoided. Protective clothing and goggles have to be worn. If splashes get onto the skin, wash immediately with plenty of water and soap. If splashes get into the eyes, wash with plenty of water and consult a physician. Avoid inhalation. Contaminated clothing must be removed immediately.

Keep product in closed original packaging. Use only with adequate ventilation. Store away from incompatible substances in a cool, dry, ventilated area.

Keep from freezing. If the product has excessively chilled, mix well or ideally propeller-agitate. If it has unexpectedly settled, mix before use. Do not contaminate water, food, or feed by storage or disposal.

Ideally stored between 5 - 25°C

Observe all Federal, State, and Local regulations when storing or disposing of this substance.

Shelf Life: 12 Month after date of manufacture

Packaging

The product is packaged in:

Shipping Container	Net Weight
Can	30 kg
Drum	220 kg
2-way Tote	1050 kg

For further information visit our website: www.troycorp.com or call...

EU Tel: +31 10-592-7494
 Headquarter Fax: +31 10-592-8877
 Germany Tel: +49 5137 8236-316
 Fax: +49 5137 8236-106
 France Tel: +33 4 90844210
 Italy Tel: +39 02 475054/4224934
 Poland Tel: +48 226517066
 Spain/Port. Tel: +34 9386756 90
 UK Tel: +44 1625 575597
 United States Tel: +1 973-443-4200
 Asia Pacific Tel: +66 2-398-5036-9
 Middle East Tel: +44 162-878-1800
 & Africa

No warranty is made, whether expressed or implied, including warranties of merchantability or of fitness for a particular purpose for these products. No statements or recommendations contained herein are to be construed as inducements to infringe any relevant patent, now or hereafter in existence. Under no circumstances shall TROY Corporation or its affiliates be liable for incidental, consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory arising out of the use or handling of these products. The sole liability of TROY Corporation and its affiliates for any claims arising out of the manufacture, use or sale of its product shall be for the buyer's purchase price. Neither Troy Corporation nor any affiliates assumes any obligation or liability for the information in this document or the results obtained. The information in this document is provided without warranty and is to be utilized by customers of the products at the customer's sole risk. Customers should conduct their own tests in actual use conditions before commercial use of the products.

Polyphase®, MERGAL®, Troysan®, Troykyd®, Troythix®, Troysol™, Troymax™, Troysperse™, Powdermate® and Troyshield® are Trademarks of Troy.

Use biocides safely. Always read the label and product information before use.

02-May-11

© 2011 Troy Corporation