

# Technical Data Sheet

## Nu-EcoSafe Strip Anti-Fouling

<b>Product Description</b>	<p><b>Nu-EcoSafe Strip Anti-Fouling</b> is a water based paint system removal system designed specifically to remove anti-fouling paints from fiberglass surfaces without damage.</p> <p><b>Nu-EcoSafe Strip Anti-Fouling</b> is ideal for all watercraft and will effectively lift multiple layers of all kinds of anti-fouling paint including marine enamels, modified epoxies, co-polymers and a range of other paint systems.</p> <p><b>Nu-EcoSafe Strip Anti-Fouling</b> is efficient, effective and an environmentally friendly alternative to traditional hazardous anti-foul removal treatments.</p>
<b>Nu-EcoSafe Anti-Foul Features:</b>	<ul style="list-style-type: none"> <li>• Environmentally friendly &amp; biodegradable</li> <li>• Low VOC</li> <li>• Safe on most gelcoat surfaces</li> <li>• Will not damage epoxy coated cold moulded hulls</li> <li>• Harmless to boat yard water catchment systems</li> </ul>
<b>Safety Precautions:</b>	<p>Observe all Occupation Health and Safety (OH&amp;S) precautions. Refer to the relevant Safety Data Sheets (SDS) for product safety related information.</p> <p>For further information and support: <b>Nutech Paint 03 9770 3000</b>  <a href="http://www.nutechpaint.com.au">www.nutechpaint.com.au</a></p> <p>Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.</p>
<b>Provisions:</b>	<p><b>Airless sprayer/ Pressure Washer:</b> Recommended for larger areas. Use only equipment with chemical resistant components.</p> <p><b>Other equipment:</b> brushes, short nap rollers, paint scraper, masking tape, polyethylene sheet, electric drill with mixer.</p> <p><b>For Clean Up:</b> empty pails <b>Nu-Tech EcoZorb</b>, clean water.</p>
<b>Chemical Type:</b>	Water based paint stripper
<b>Product Attributes</b>	<p>pH: 3.5 – 4.5</p> <p>Per Cent Volatiles (VOC): 43%</p> <p>Solubility: In Water</p> <p>Minimum Film Forming Temperature: N/A</p>
<b>Typical Applications</b>	<p>Typical projects include:</p> <p>All types of watercraft where low VOC and effective anti-foul removal is required.</p>
<b>Appearance</b>	White foam
<b>Coverage / Spread Rate</b>	<p><b>1 -2m<sup>2</sup>/ Litre</b></p> <p>The ideal wet film thickness of stripper is approximately one and a half times the dry film thickness of the paint. Minimum wet film thickness should be 500 microns for</p>

	one layer of anti-fouling. The number of layers of anti-fouling paint to be removed will determine how heavy to apply stripper.
<b>Packaging</b>	1L, 4L, 10L, 20L
<b>Storage</b>	Cool, dry location. Avoid contact with direct sunlight and heat
<b>Shelf life</b>	Stored 24 months @ 25°C
<b>Substrate Recommendations:</b>	<b>Nu-EcoSafe Strip Anti-Fouling</b> is suitable for a range of substrates such as painted fibreglass and metal hulls where the removal of old anti-foul is required.
<b>NOTE</b>	Plants should be covered or washed thoroughly with fresh water before and during application.
<b>Mixing/ Thinning</b>	DO NOT SHAKE Some separation of the product can be expected. To ensure a homogeneous mix and effective performance, use a drill mixer and mix product until it is uniform in colour and consistency prior to use.
<b>Test Patch</b>	In accordance with the application procedure of this TDS, conduct a small test patch in an inconspicuous area. The Test Patch will determine the porosity of the Anti-foul and estimated time to the second application <b>Nu-EcoSafe Strip Anti-Fouling</b> where needed.
<b>Substrate note:</b>	All surfaces must be clean and in sound condition. Remove all oil, dirt, grease, flaking paint and contamination where appropriate. For optimum results, surface temperatures should be between 20°C to 32°C. The product should not be used at surface temperatures lower than 5°C.
<b>Application</b>	<b>Nu-EcoSafe Strip Anti-Fouling</b> has been developed for spray application. The use of an Airless sprayer is recommended, ideally equipped with a 519 or 425 tip. <i>Consult your airless spray equipment supplier for further advice.</i> For small areas, brush or roller application is recommended.
<b>Procedure:</b>	<b>Masking:</b> Cover/ protect any areas that are not to be stripped, this includes adjoining surfaces and plants where overspray may travel. <ul style="list-style-type: none"> <li>• Polyethylene sheets are a very effective barrier.</li> <li>• Masking tape - Apply two layers of tape and remove the top layer immediately after application as the stripper may soak through the tape.</li> </ul> <b>Airless Spray:</b> Is the most effective means for application for large areas. <ul style="list-style-type: none"> <li>• DO NOT use high pressure or small gun tips</li> <li>• Remove all filters from the pump, sprayer and gun.</li> <li>• Prime the pump and run stripper through the hose and gun until all previous water / solvent / paint residue has been cleaned out.</li> <li>• Always start the sprayer pump at the lowest pressure setting and slowly build up the pressure until an adequate fan pattern has been generated and minimised overspray is achieved.</li> </ul>

**First Application:**

- Apply 700 to 1000 microns of **Nu-EcoSafe Strip Anti-Fouling** and allow to penetrate the coating. Allow between 2 to 6 hours for absorption or until the observed “sheen” has disappeared.
- Do not scrape or rinse between applications.

**Second Application:**

**Note:** Upon the 2<sup>nd</sup> application, Nutech Paint recommends applying a light weight polyethylene sheet to the surface of the 2<sup>nd</sup> coat to improve the penetration of **Nu-EcoSafe Strip Anti-Fouling**.

- Apply 700 to 1000 microns of **Nu-EcoSafe Strip Anti-Fouling**
- Allow another 2 – 6 hours for **Nu-EcoSafe Strip Anti-Fouling** to activate.
- Old anti-foul coating is ready to be removed when it is easily scraped with a plastic scraper or plastic putty knife.
- Repeat this process as required applying extra **Nu-EcoSafe Strip Anti-Fouling** to stubborn sections where needed – Allow for activation (Approximately 30 minutes to 1 hour).

**Activation Time**      The time required for penetration varies according to the type of paint, the thickness of the paint and the ambient conditions.  
Most paint systems require between 2 to 36 hours, checking every 4 hours where practical.

**Recoat**                      Reapply as per required

**Clean Up**                    Protecting Our Environment is important to Nutech Paints:

- Begin removal when coating system can be easily scraped off.
- Working on one side at a time, remove polyethylene sheets in 2-meter sections of the vessel.
- Scrape the softened coatings onto removed poly and remove from work area.
- Collect all lifted paint and sheeting and dispose of in accordance with local government regulations.
- In accordance with the relevant TDS apply **Nu-EcoSafe EcoZorb** to any work areas that require liquid removal and dispose in accordance with local government regulations.
- Clean up brush/ spray equipment with running water. Spray equipment should be cleaned as soon as practical after application.
- Once the vessel is completely stripped, a final rinse with fresh water is required and allow the substrate to thoroughly dry prior to repainting.

Clean up with fresh water or dispose of equipment. Do not pour leftover stripper down drains or in rubbish bins. Unwanted stripper should be kept in a sealed container and then disposed of via specialised waste collection services.

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Empty paint containers should be left open in a well ventilated area to dry out. Dispose of empty paint containers in accordance with local authority's guidelines. Always check with your local council first.

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**First Aid**

**SEEK IMMEDIATE MEDICAL ATTENTION.** Refer to the appropriate *Nutech Material Safety Data Sheet* (MSDS) for further information.

For medical emergencies only, call: 000

- In case of eye contact, flush thoroughly with water for at least 15 minutes.
  - In case of skin contact, wash affected areas with soap and water. If irritation persists.
  - Remove and wash contaminated clothing.
  - If inhalation causes physical discomfort, remove to fresh air.
  - If discomfort persists, or any breathing difficulty occurs or if swallowed seek medical advice.
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**Warranty**

Nutech warrants its products to be free from defects in material and workmanship. Nutech's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Nutech's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products.

Any claim under this Warranty must be made by Buyer to Nutech in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify Nutech of such non-conformance as required herein shall bar Buyer from recovery under this Warranty.

Nutech makes no other warranties concerning the product. No other warranties, whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall Nutech be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the use of the products made by Nutech, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

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**Limitation of Liability**

Nutech's liability on any claim of any kind, including claims based upon Nutech's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall Nutech be liable for consequential or incidental damages.

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**Disclaimer**

The information given on this data sheet is based on many years' experience and is correct to the best of our knowledge. However, since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.'

The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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