

Nutech EcoSafe Range®

Nutech Paint
Application Instructions & Guidelines
Nutech EcoSafe Range



Nu-EcoSafe-Strip High Performance Stripper

Features

- Water-based
- Fully biodegradable
- Non-flammable
- Contains no TAPs or HAPs (Toxic/Hazardous Air Pollutants)
- Non-carcinogenic
- Easy clean-up with running water
- Low VOCs
- Non-ozone-depleting
- Not regulated by authorities for Transportation/storage

Cost effective because:

- Requires much less chemical to achieve desired results
- Reduces man-hours and effort required to complete a project
- Reduces cost of waste disposal
- Reduces down time since other work at site can continue while stripper does its job
- Lowers insurance costs for worker safety and storage hazards

Typical Properties

Appearance:	Blue Foamed	Viscosity (cPs):	30,000-70,000
Emulsion		Shelf Life:	24 months
Specific Gravity:	1.06	Coverage:	1 to 2.2
Boiling Point:	100°C	sq.m/L	
Freezing Point:	0°C	(theoretical)	
pH (direct reading):	3.5 - 4.5		
VOC content:	70 g/L		
Flash point:	100°C	Worker Health and Safety See MSDS	

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Typical Uses

Typical projects include:

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have proven they effectively lift highly cross-linked urethane and epoxy top coats and primers, alkyds, non-skid coatings (100% solid content) and the toughest of industrial coatings and linings from metallic and plastic substrates. They are also capable of lifting fuel resistant primers, and coal tar epoxies.

Packaging	Sizes Available
4 Per Carton	1 L Jar
4 Per Carton	4 L Pail
Each	10 L Pail
Each	20 L Pail
Each	205 L Drum
(205 L Drum made to order)	

Typical projects include:

- Petrochemical plants
- Chemical tank farms
- Nuclear plants
- Bridges
- Shipyard and docks
- Ballast tanks of ships
- Pulp and paper mills
- Automobiles and engine parts
- Railway cars and engines
- Wrought iron/cast iron work
- Any area where abrasive blasting is not an option for environmental, or economic reasons.
- Any area where worker safety may be a concern

Applications & Features

Equipment & Tools: This product is engineered for spray application. Airless sprayers are recommended. Use only airless equipment with chemical resistant packing, such **larger pump**.

A typical medium size airless sprayer is capable of spraying this product. Equip the sprayer with a tip size of 0.019 inches or larger. (Example: a 519 or 425 tip). Other equipment: brushes, rollers, scraper, masking tape, plastic (polyethylene) sheet, pressure washer, electric drill with mixer, empty pails for clean-up, running water, and rags.

Roller application should be used only for horizontal surfaces.

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Preparation:

(a) Masking: Cover/protect areas where stripping is not desired, including adjoining surfaces where over spray may travel. Polyethylene sheets make a very effective barrier. If using masking tape, apply two layers of tape and remove the top layer immediately after application as the remover may soak through the tape, damaging paint under it. Plants should be covered or washed thoroughly with water before and during application.

(b) Mixing: Never shake NU-EcoSafe- Strip

Shaking will cause product to separate. Using a drill mixer, mix product until it is uniform in colour and is creamy in consistency. (About 1 minute per gallon).

(c) Equipment: Remove all filters from the pump, sprayer and gun. Prime the pump and run stripper through the hose and gun until all previous water / solvent and paint residue has been cleaned out.

Test Patch: Conduct a small test patch in an inconspicuous area to ensure product performance. This will indicate the time required for project completion, suitability of product for paint and substrate, and most effective removal method.

Application Guidelines

Application Procedure: Apply a thick, even layer of stripper onto the coating being removed. An airless sprayer is the most effective means for application. Always start the sprayer pump at the lowest pressure setting and slowly build up the pressure until an adequate fan pattern has been generated. High pressure and narrow tip sizes will break the stripper's emulsion and will destroy its effectiveness.

The stripper must be applied 1.5 to 2 times the thickness of the coating being removed, i.e 20 mils of coatings requires 30-40 mils of stripper to be removed effectively. When trying to build up films thicker than 30 mils (600 microns), or when trying to apply the stripper on a glossy or greasy vertical surface, it is advisable to build the stripper film in two separate applications.

First apply a light coat of approximately 15 mils (300 microns), thick enough to hide the surface colour of coating and allow it to dwell for 5 to 30 minutes and then build the rest of the stripper film thickness in a second application. Once applied, leave the stripper alone, as agitation slows down penetration.

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Re-Application: When there are multiple layers of paint, it is possible that there is poor inter-coat adhesion between some layers. Premature lifting may occur at this interface. If this happens, remove the lifted layers and reapply the stripper. Do not rinse with water between applications. Do not allow the stripper to dry out. The stripper is designed to remain wet and effective over extended periods of time (up to 48 hours), but excessive sunshine, windy conditions or insufficient stripper thickness can cause early drying. If the stripper starts to dry, re-apply a light coating and allow extra time for completion.

Dwell Time: The time required for penetration varies accordingly to the type of paint, the thickness of the paint, and the temperature. Most paint systems require between 2 to 36 hours **Nu-EcoSafe-Strip Brush Grade** can be left overnight, but do not allow product to dry out.

Coverage: Coverage is approximately 1 to 2.2 sq.m./L depending on substrate and coating to be removed.

Optimum Temperature: Surface temperatures should be 20° to 32°C. The product performs effectively at lower temperatures –even at 32°F (0°C), but the dwell time increases.

Removal & Clean Up: Removal of lifted paint can be completed by scraper, squeegee, wet/dry vacuum suction system or by high pressure (2,500 – 3,500 psi) water wash. Be careful if using a high pressure washer on porous surfaces as it can hurt the surface. Pressure wash from the bottom up on vertical surfaces to prevent rinse water from deactivating stripper in sections below. The stripped surface must be rinsed with water to remove all chemical residue before repainting. Collect lifted paint and dispose of in accordance with local government regulations.

Do not collect and/or store removed paint stripper waste residue in metal containers. Clean up spray equipment by running water through the equipment soon after the spraying has been completed.

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SAFETY PRECAUTIONS: Proper safety procedures should be followed at all times while handling the product. Refer to the Safety Data Sheet for important health and safety information before use.

DISCLAIMER: Warranty and Limitation of liability:

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.

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.

Important Note

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.