

Surface Cleaner & Degreaser

PRODUCT DESCRIPTION

A single component solvent based cleaner/degreaser, which can be described as readily biodegradable as tested by OECD 301B CO₂ Evolution test.

INTENDED USES

Interplus 546 is specifically designed to remove surface contamination such as oil, grease, dirt and soot from metallic and coated substrates as part of a maintenance program. Interplus 546 can be used in conjunction with Interplus 614 rust remover.

Interplus 546 can also be used to remove carbon steel contamination from metals, glass and coated substrates.

PRACTICAL INFORMATION FOR INTERPLUS 546

Colour	Colourless
Gloss Level	Not applicable
Volume Solids	Not applicable
Typical Thickness	15-25 microns (0.6-1 mils) wet film thickness
Theoretical Coverage	67 m ² /litre at 15 microns wet film thickness 107 sq.ft/US gallon at 0.6 mils wet film thickness
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller, Sponge
Drying Time	Not applicable

REGULATORY DATA

Flash Point (Typical)	80°C (176°F)
Product Weight	0.98 kg/l (8.2 lb/gal)
VOC	1000 g/kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)
See Product Characteristics section for further details	

Surface Cleaner & Degreaser

SURFACE PREPARATION

Prior to application of Interplus 546, any loose contaminants should be removed from the surface using a stiff brush in order to aid activation of the product. Surfaces not to be treated should be masked and protected with polyethylene prior to application. It is recommended that a strong groundsheet be used to contain any contamination residue, product and rinse water.

Test Patch

It is strongly recommended that a small test patch should always be carried out on a representative area in order to ascertain the activation time and efficiency of contamination removal. Activation times are very much dependent upon the condition of the substrate and the concentration of the contaminants to be removed, however, a typical activation time is within 10 and 20 minutes. Any resultant rinse washings should be collected and analysed by an independent laboratory to ensure disposal in accordance with local environmental legislation.

Application Conditions

Optimal working temperature range is 5 - 35°C (41 - 95°F), however, it can be used at temperatures as low as 0°C (32°F) and a maximum of 60°C (140°F).

For best results, it is advised to suitably cover the application area to reduce the effect of wind, rain and intense sunlight.

APPLICATION

Mixing	Mixing should not be required.
Mix Ratio	Not applicable
Airless Spray	Suitable Apply through a 0.28-0.43 mm (11 to 17 thou) tip with a spray angle of between 65 and 80°. Pressure at spray tip need only be enough to give a uniform spray pattern and apply a uniform coat. Typical tip pressures are 105 kg/cm ² (1500 p.s.i.).
Air Spray (Pressure Pot)	Not recommended
Brush	Recommended
Roller	Recommended
Thinner	Not recommended
Cleaner	Clean Water
Work Stoppages	Product containers should be resealed to prevent drying out of the product.
Clean Up	Clean equipment immediately after use with water. Dispose of washing in accordance with local environmental legislation. Neutralising and dilution with water may be required to meet local waste or sewage disposal requirements. Spills should be contained and disposed of under the same requirements.
Removal	Any excess Interplus 546 should be first removed from the substrate with industrial cloths. Then high pressure water washing should be used to remove any final residue from the substrate.

Surface Cleaner & Degreaser

PRODUCT CHARACTERISTICS

The removal rate of contamination is dependent upon the condition of the substrate and concentration of contaminants. Repeat applications may be required to remove high concentrations of contaminants.

Test patching is recommended to determine activation time and removal efficiency prior to full application. Prolonged contact with some generic coating types may cause surface defects such as softening.

Interplus 546 has been shown to improve the overcoatability of aged coatings where mechanical preparation is not a viable process.

Any surrounding plastic and/or rubber materials should be masked off to prevent damage caused by long term exposure to Interplus 546.

Ensure the surface onto which Interplus 546 is to be applied is dry. Any surface moisture could hinder the penetration properties and prolong activation time.

When applying Interplus 546 in confined spaces ensure adequate ventilation.

Treated areas should be wrapped in polyethylene where high temperature airflow or direct sunlight may cause drying out.

Interplus 546 must be protected from freezing at all times during storage.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

Interplus 546 can be used in conjunction with Interplus 614 rust remover as part of a maintenance programme.

Interplus 546 can also be used as part of sound aged coating system maintenance, in which the coating surface is treated followed by re-coating for aesthetic purposes. Consult International Protective Coatings for specific advice regarding system compatibility.

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ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

PACK SIZE	Unit Size		
		Vol	Pack
	20 litre	20 litre	20 litre
5 litre	5 litre	5 litre	
For availability of other pack sizes, contact International Protective Coatings.			
SHIPPING WEIGHT (TYPICAL)	Unit Size		
	20 litre	19.6 kg	
	5 litre	4.9 kg	
U.N. Shipping No. Non Hazardous			
STORAGE	Shelf Life	24 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. Protect from freezing at all times during storage.	

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. 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 development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

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