

Australian Chemicals & Coatings Pty Ltd

ABN: 92 884 104 142

69 Quantum Close,
Dandenong South VIC 3175

Ph: +61 (03) 9799 9833

Fax: +61 (03) 9799 9033

sales@auschem.com.au

www.auschem.com.au

WARNING:

**This chemical is formulated
for industrial use only**

Contact with skin or clothing or other improper handling or use of this product may result in bodily harm or other damage. Before using or mixing the contents with other substances, all labels applied to container, the applicable Technical Data Sheet and Material Safety Data Sheet should be read and specific instructions and precautions followed to assure correct use and personal safety.



ECOPHOR

INTRODUCTION

ECOPHOR is a one-stage, combination iron phosphate / degreaser. It produces no effluent, and gives better corrosion protection than traditional water based iron phosphates.

Products treated with ECOPHOR are covered with a thin amorphous layer of organic modified iron phosphate and they are coated by a polymeric film which will not only give a better paint finish but will also give temporary protection against corrosion before painting.

GENERAL PROPERTIES

Description Solution	Degreasing & Phosphating
Nature of the phosphating solution.	Organic Polyphosphate dissolved in organic solvents.
Composition of the phosphating solution.	ECOPHOR A/447 ready to use solution SOLVENT A/447 solvent mixture
Application Method	Spraying/Dipping.
Substrates which can be treated.	Mild steel, cast iron, aluminium, zinc galvanised steel
Conversion Coating	Iron phosphates coated by a polymeric film.
Coating thickness	1-3 microns
Temporary protection on unpainted articles	Gives rust protection for Several months if stored inside

● *Bringing the Best Products to the Surface* ●

Disclaimer: All statement, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No statement or recommendation shall constitute a representation unless set forth in an agreement signed by officers of seller and manufacturer. NO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. The following warranty is made in lieu of such warranties and all other warranties, express, implied or statutory. Products are warranted to be free from defects in material and workmanship at the time sold. The sole obligation of seller and manufacturer under this warranty shall be to replace any product defective at the time sold. Under no circumstances shall manufacturer or seller be liable for any loss, damage or expense, direct or consequential, arising out of the use of or inability to use the product. No suggestion for product use or anything contained herein shall be constructed as a recommendation to use any product in infringement of any patent rights and seller and manufacturer assume no responsibility or liability for any such infringement. We recommend prospective users determine the suitability of this product through independent testing before adopting on a commercial scale.

Corrosion protection in

Between iron and zinc process

ACC_TDS_ECOPHOR_11022015

Page 1 of 3

combination with topcoats.

200-250 Hrs. Salt Spray resistance on steel under powdercoat.

400-500 Hrs. Salt Spray resistance on zinc under powdercoat.

900-1000 Hrs. Salt Spray resistance on aluminium under powdercoat.

GENERAL PROPERTIES CONT.

Compatible Paints	Varnishes Lacquers, Paints	(Solvent & water based/powders)
-------------------	----------------------------	---------------------------------

PROCESSING DATA

Spraying / Dipping Time	60-90 Seconds
-------------------------	---------------

Temperature	Ambient
-------------	---------

Blowing Time	2-4 minutes
--------------	-------------

Temperature	Ambient
-------------	---------

Drying Time	4-8 minutes
-------------	-------------

Temperature	90-140°C
-------------	----------

Type of Installation	Static or Conveyorised
----------------------	------------------------

TECHNICAL DATA

Physical State	Liquid
----------------	--------

Aspect of the solution	Clear yellowish liquid
------------------------	------------------------

Odour	Perceptible
-------	-------------

Specific Gravity	0.80 at 20°C
------------------	--------------

pH of the solution	2.5-4.0
Evapor. Rate (nBuAc=100)	7
Flash Pt (Pensky Marten)	65°C
Coverage	1 Litre treats 40sqm approx.
Thermal stability	220°C

ENVIRONMENTAL PROTECTION & SAFETY PRECAUTIONS.

- ** Free of HHC & CFC
- ** Free of Aromatics
- ** There is no effluent to dispose of
- ** No emission of dangerous compounds into the atmosphere.
- ** Extremely safe for the workplace
- ** Very low order of acute and subchronic toxicity
- ** Tetralogical and ecological testing demonstrates minimum risk to human health and the environment
- ** No hazardous labelling is needed, according to the EEC 88-379 prescription.
- ** Extremely low ecotoxicity for fish and water life.