



Logistics & Marketing Office

Harmony House, Plot 77/77, RSC-9, Gorai -1,
Borivli (West), Mumbai – 400 092. India.
Tel: +91-22-2860 8000 (100 Lines) / 2860 3611 / 22 / 33
Fax: + 91 – 22 – 2860 3600

E-mail : sales@additive.in / harmonyadditive@yahoo.com

Web Site: www.harmonyadditive.com / www.antifoams.co.in / www.defoamer.co.in

Manufacturers & Exporters

Defoamers, Dispersants, Thickeners, Anti-settling, Flow Modifiers,
Surfactants & Speciality Chemicals

U.A.E.

P.O. Box No.29453
Dubai, U.A.E.
Tel: + 971 – 4 - 3539449
Fax: + 971 – 4 – 3973634

Additive 5166

(PE Wax Emulsion)

Introduction

Wax emulsions are now well established and extensively used in aqueous formulations such as Water Based Coatings (Emulsion Paints / Textured Paints – Interior & Exterior Finishes / Inks) and Over Print Varnishes, Textile and Leather Treatments, Polishes, Paper & Cardboard Coatings, Natural & Gypsum Board etc. These ready-to-use emulsions can be easily incorporated by simple mixing. Their very fine particle size ensures an intimate and homogeneous incorporation within other ingredients of the formulation, maximizing the required effect(s).

Advantages

PE Wax Emulsion enhances following properties

- Water Repellency
- Abrasion Resistance
- Slip & Lubricity
- Anti-Blocking

Technical Data

Appearance	:	Pale Yellow Hazy Liquid
Nature	:	Non-ionic
Specific Gravity	:	1.0
Particle Size	:	≤ 1 micron
Solubility	:	Miscible with Water
pH	:	8 - 9
Evaporation Rate	:	Depends on rate of heating.
% Volatiles	:	60% (Water)
Flash Point	:	Not Applicable

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Environmental & Safety Measures

STABILITY AND REACTIVITY:

Stability : Stable at normal conditions.
Incompatibilities : Strong oxidizing agents and amines.
Hazardous : Depending on conditions of fire, CO,
Decomposition : CO₂ and combustible gases may be
Generated (after H₂O is removed)

TOXICOLOGICAL INFORMATION:

Immediate (acute) effects
Acute oral toxicity in rates: LD50>2500mg/kg

ECOLOGICAL INFORMATION:

Material is Dispersible in water. They are not considered biodegradable should not be allowed to mix in water-streams. Effluent is required to be treated before disposal. Follow statutory regulations.

DISPOSAL CONSIDERATIONS:

To be treated before disposal. Follow statutory regulations.

HANDLING AND STORAGE

HANDLING RECOMMENDATIONS:

Always wear recommended personal protective equipment

Under conditions of storage, Vapors may collect in the headspace of the container causing an odor (Sometimes pungent) during unpacking of these products. Avoid breathing vapours when opening containers, and fumes from heating operations. Avoid spillage, which can cause very slippery conditions on floors. Use good personal hygiene and housekeeping.

STORAGE RECOMMENDATIONS:

Avoid excessive heat. Do not store near strong Oxidizing Agents and amines.

Dose Level:

3.0 to 5.0% wt./wt. on total system for Paints & Printing Inks.
For other industries precise dosage to be evaluated by experiments.

DISCLAIMER

This product is manufactured to rigid control Specifications. It is impossible to control the use & application. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Therefore, Harmony's sole liability is limited to replacing quantities of products proven to be defective. Harmony disclaims any liability for the cost of other Raw Material/s or any other use of product.