

FARROW & BALL®

CRAFTSMEN IN PAINT AND PAPER

REGULATORY DATA SHEET

ESTATE® EMULSION

All Farrow & Ball paints are eco friendly with low or minimal VOC (Volatile Organic Compounds) content and are water based giving them a low odour and quick drying time which benefits both you and the environment.

Chemical Composition

Farrow & Ball Estate® Emulsion is a mixture.

The composition of this product is proprietary knowledge of Farrow & Ball and will not be disclosed to third parties.

Information regarding the presence of hazardous components above the reportable concentration limits pursuant to the applicable national legislation can be found in the Safety Data Sheet which is available to professional users upon request.

Recommended Uses and Applications of Estate® Emulsion:

Estate® Emulsion is recommended for interior applications in accordance with the following CEPE (European Council of producers and importers of paints, printing inks and artists' colours) Sector-specific Worker Exposure Descriptions (SWEDs):
CEPE_PW_01_V1: Professional spray painting, near-industrial setting. CEPE_PW_03a_v1: Professional spray painting, indoor (Level 1).
CEPE_PW_03b_v1: Professional spray painting, indoor (Level 2). CEPE_PW_04_v1: Professional painting, indoor brush/roller.

Volatile Organic Compounds (VOC)

Estate® Emulsion has been tested within the EU for VOC by ISO 11890-2:2000 in accordance with EU Paint Directive 2004/42/EC.

The EU limit for this product is Cat a 30 g/l.

Estate® Emulsion contains max. 6 g/l (Low) by ISO 11890-2.

Estate® Emulsion has been tested within USA for VOC by EPA Method 24 in accordance with Environment Protection Agency standards.

The USA limit for this product is 50 g/l.

Estate® Emulsion contains 4 g/l (Low) VOC by EPA Method 24.

Global Chemical Inventory Status

All components of Estate® Emulsion are included in the following Chemical Inventories:

Australia – AICS (Australian Inventory of Chemical Substances)

China – IECSC (Inventory of Existing Chemical Substances in China)

New Zealand – NzioC (New Zealand Inventory of Chemicals)

Estate® Emulsion contains one or more components that are not included in the following Chemical Inventories.

These may be polymers (of which monomers are included) and as such are exempt from registration:

Canada – DSL (Canadian Domestic Substances List)

European Union – EINECS (European Inventory of Existing Chemical Substances)

Japan – ENCS (Japanese Existing and New Chemical Substances Inventory)

Korea – KECI (Korea Existing Chemicals Inventory)

Philippines – PICCS (Philippines Inventory of Chemicals & Chemical Substances)

Switzerland – SWISS (Inventory of Notified New Substances)

USA – TSCA (Toxic Substances Control Act).

Heavy Metals

Heavy metals Cadmium (Cd), Mercury (Hg), Lead (Pb) and Chrome (Cr(VI)) are not intentionally used in the manufacture of Estate® Emulsion.

It is expected that the total heavy metal concentrations which may be present as a result are therefore below the thresholds currently imposed by the following regulations worldwide:

- CONEG (Coalition of North Eastern Governors)
- EU directive 94/62/EEC
- EU directive 2000/53/EC and amendment 2002/525/EC
- EU directive 2002/95/EC
- Safety of Toys - Part 3: Migration of certain elements (BS EN 71- 3:1995)
- CPSC Regulations 16 CFR 1303/16 CFR 1500:121 (<90 ppm lead)

However, it is not possible to exclude the presence of individual heavy metals. Trace elements may enter Estate® Emulsion within the raw materials used in the manufacture of this product and through auxiliaries during processing. These trace elements may be only detected by analytical methods.

Other Metals

The following other metals are not intentionally used in the manufacture of Estate[®] Emulsion:

Barium (Ba), Antimony (Sb), Arsenic (As), Selenium (Se), Cobalt (Co), Stannous (Sn), Nickel (Ni), Zinc (Zn), Beryllium (Be) & Bismuth (Bi).

Safety of Toys - Part 3: Migration of certain elements (BS EN 71- 3:1995)

Estate[®] Emulsion has been tested in accordance with BS EN 71-3:1995 and meets the specified limits of element migration from toy materials as follows:

Element	Measured Amount (mg/kg)	Maximum Limit (mg/kg)
Antimony (Sb)	<10	60
Arsenic (As)	<10	25
Barium (Ba)	<20	1000
Cadmium (Cd)	<10	60
Lead (Pb)	<10	90
Mercury (Hg)	<10	60
Selenium (Se)	<10	500

Substances of Concern:

The following substances of concern are not intentionally used in the manufacture of Estate[®] Emulsion:

Polyhalogen-biphenyl / terphenyls / diphenylethers (PCB, PCT, PBB, PBDE), Chlorinated hydrocarbons/paraffines,

Ozone depleting substances (CFC), Halogens (F,Cl,Br,I), Nonylphenol & Nonylphenol ethoxylates, Aromatic amine, Formaldehyde or formaldehyde generating substances, Asbestos, Radioactive substances, Phthalates, Bisphenol A and APEO (Alkylphenol ethoxylates).

Based on our current knowledge of raw materials used in the production of Estate[®] Emulsion and the information provided to the company by our raw material suppliers (such as Safety Data Sheets and Technical Data Sheets), we can confirm that Estate[®] Emulsion does not contain any of the Substances of Very High Concern (SVHC) included in:

- The REACH Annex XIV Candidate List at levels greater than the tolerated maximum concentration values established by the EU Regulation 1907/2006/EC, or above 0.1%, whichever is the lower.
- The List of Toxic Substances published under Schedule 1 of the Canadian Environmental Protection Act 1999.
- Schedule A of Chapter 423 - Environmental Reporting and Disclosure of the Toronto Municipal Code in concentration or mass reporting thresholds greater than the published limits.
- The National Pollutant Release Inventory (Ontario Regulation 127/01), Canada Gazette numbers 1-230 in concentration or

mass reporting thresholds greater than the published limits.

- Red List Building Materials (United States Environmental Protection Agency, European Commission on Environment, State of California and The International Living Future Institute).
- The Canada Consumer Chemicals and Containers Regulations (CCCR).
- The Canada Hazardous Products Regulation (HPR)
- The Canada Cribs, Cradles and Bassinets Regulations.
- USA Federal Hazardous Substances Act (FHSA).
- USA Revised Hazard Communication Standard (HCS).

California OEHHA Proposition 65 Notice



WARNING: This product can expose you to chemicals including acetaldehyde, which is known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

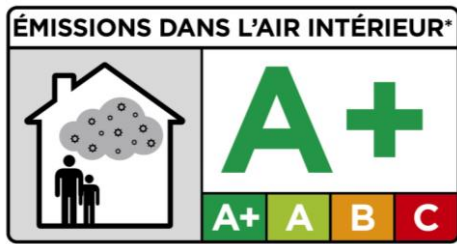
French Indoor Air Quality Decree N° 2011-321 – Arrêté April 2011

Estate[®] Emulsion has been tested for indoor emissions to ISO 16000 as follows:

Substance	*	C	B	A	A+
Formaldehyde	<3	>120	<120	<60	<10
Acetaldehyde	<3	>400	<400	<300	<200
Toluene	<2	>600	<600	<450	<300
Tétrachloroéthylène	<2	>500	<500	<350	<250
Ethylbenzene	<2	>1500	<1500	<1000	<750
Xylène	<2	>400	<400	<300	<200
Styrène	<2	>500	<500	<350	<250
2-Butoxyéthanol	<2	>2000	<2000	<1500	<1000
Triméthylbenzène	<2	>2000	<2000	<1500	<1000
1,4-Dichlorobenzène	<2	>120	<120	<90	<60
TVOC	47	>2000	<2000	<1500	<1000

*Concentration after 28 days.

Estate[®] Emulsion meets the requirements of the French directives from 04/30/2009 and 05/28/2009 on the conditions to the marketing of products for construction and decoration containing carcinogens, mutagens or toxic to reproduction category 1 or 2 and corresponds to the emission class A+ of the French regulation on the labelling of product for construction or wall cladding or flooring and paint and varnish on their emissions of volatile pollutants (Arrêté April 2011).



Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Biocidal Products Regulation:

Contains isothiazolinones. May produce an allergic reaction. This product contains biocidal products used as in-can preservatives: - Benzisothiazolinone, Bronopol, Octhiline & Methylisothiazolinone. No nanomaterials are present. Keep out of the reach of children. Wear protective gloves (such as Nitrile gloves) and eye protection when using this product. Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with water and seek medical advice. Do not empty into drains or rivers. Contact the local Environmental Department for disposal instructions. A Safety Data Sheet for this product is available on request or from www.farrow-ball.com.

Contact Us: For advice on colours, paint finishes or wallpaper our customer services team is on hand to help you, just call +44 (0) 1202 876141, email sales@farrow-ball.com, or write to us at Farrow & Ball, Uddens Estate, Wimborne, Dorset, BH21 7NL, UK. Please note that calls may be recorded for training purposes.

Disclaimer: The information given in these specification sheets and technical advice - whether verbal, in writing or by way of trials - is for guidance and is given in good faith but without warranty, since skill of application and site conditions are beyond our control. For further information please contact our Customer Services Department. We can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. This does not affect your statutory rights.