

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 01

1. PRODUCT AND COMPANY IDENTIFICATION

1.01 Product Code	LT/GENERAL
1.02 Product Name	LINOTEX FLOOR ENAMEL
1.03 Synonyms	
1.04 Intended Use	(General colours) An air-drying, liquid, solvent-borne paint for consumer, professional and industrial use. Used as a floor paint for decorating buildings. Apply by brush or roller.
1.05 Manufacturer/Supplier	Manor Coating Systems Ltd
1.06 Address	Otley Road ShIPLEY West Yorkshire
1.07 Contact	BD17 7DP chiefchemist@manorcoatingsystems.co.uk
1.08 Phone Number	01274-587351
1.09 Fax Number	01274-531360
1.10 Emergency Phone Number	01274-587351

2. HAZARD IDENTIFICATION

2.01 Main Hazards	The product has been assigned the following indication of danger: FLAMMABLE The components may be subject to Occupational Exposure Limits. See Section 8. Refer also to Section 11 for toxicological data.
2.02 Health Effects - Skin	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.01 General Information	Due to variations in manufacture, this product may also contain the following: 0.1-5.0% XYLENE. (EINEC 215-535-7 R10 Xn:R20/21 Xi: R38 1.0-5.0% 2-METHOXY-1-METHYLETHYL ACETATE (EINEC 203-603-9 R10 Xi:R36)
--------------------------	--

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 02

3. COMPOSITION/INFORMATION ON INGREDIENTS (continued)

The hydrocarbon solvents used in this product contain less than 0.1% (w/w) of benzene.

3.02 Substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational Exposure Limit Values.

Name	% Conc.	EC No.	Symbol	R-Phrases
(CAS 064742-48-9) NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	25 - 50	265-150-3	Xn	R10 R65 R66
(CAS 000136-52-7) COBALT BIS(2-ETHYLHEXANOATE)	0.1 - 0.5	205-205-6	Xn N	R22 R38 R43 R51/53

3.03 R-Phrases used

R10	FLAMMABLE.
R22	HARMFUL IF SWALLOWED.
R38	IRRITATING TO SKIN.
R43	MAY CAUSE SENSITISATION BY SKIN CONTACT.
R51/53	TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
R66	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

4. FIRST AID MEASURES

- 4.01 General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- 4.02 First Aid - Eyes Remove contact lenses. Irrigate copiously with clean, fresh water, holding the eyelids apart, and seek medical advice.
- 4.03 First Aid - Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use proprietary skin cleaner. Do NOT use solvents or thinners.
- 4.04 First Aid - Ingestion If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 03

4. FIRST AID MEASURES (continued)

- 4.05 First Aid - Inhalation Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

5. FIRE FIGHTING MEASURES

- 5.01 Extinguishing Media Recommended: alcohol resistant foam, carbon dioxide (CO2), powder, water spray/mist.
- 5.02 Unsuitable Extinguishing Media Water jet.
- 5.03 Special Hazards Fire will produce dense black smoke containing hazardous products of combustion. (See Section 10)
- 5.04 Protective Equipment Appropriate self-contained breathing apparatus may be required.
- 5.05 Combustion Products Exposure to decomposition products may be a hazard to health.
- 5.06 Recommendations Cool closed containers exposed to fire with water spray. Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

- 6.01 Personal precautions Avoid breathing vapours. Refer to the protective measures listed in Sections 7 and 8.
- 6.02 Environmental precautions Do not allow to enter drains or water courses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the relevant environment agency.
- 6.03 Large spillages/disposal Contain and collect spillages with absorbent, non-combustible materials, e.g. sand, earth vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations. (See Section 13).
Clean preferably with a detergent, avoid the use of solvents.
- 6.04 General information Exclude sources of ignition and ventilate the area, also exclude non-essential personnel.

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 04

7. HANDLING & STORAGE

7.01 Handling

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational Exposure Limit Values.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

The product may charge electrostatically. Always use earthing leads when transferring from one container to the other. Operators should wear anti-static footwear and clothing. Floors should be electrically conductive.

Keep container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.

Avoid skin and eye contact. Avoid the inhalation of vapour and mist.

Smoking, eating and drinking should be prohibited in storage and use areas.

For Occupational Exposure Control measures see Section 8.

Never use pressure to empty: The container is not a pressure vessel. Always keep in containers made of the same material as the supply container.

The accumulation of contaminated rags may result in spontaneous combustion. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

The Manual Handling Operations Regulations may apply to the handling of containers of products. To assist in calculating the weight of the pack, the pack size in litres can be multiplied by the the density given in Section 9. This will give the nett weight of the product in kilograms. Packaging allowance will be needed to estimate gross weight.

7.02 Storage

Observe the label precautions. Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

No smoking. Prevent unauthorised access.

Containers which are opened should be properly resealed and kept upright to prevent leakage.

The storage and use of this product is subject

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 05

7. HANDLING & STORAGE (continued)

the Dangerous Substances and Explosive Atmospheres (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 250 litres of liquids with a flash point above 32°C but below 55°C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin which is designed to retain spills. Larger quantities must be kept in a separate marked storeroom conforming to the structural requirements contained in the HSE guidance note "Storage of Flammable Liquids in containers".

The principles contained in the HSE guidance note Storage of Packed Dangerous Substances, should be observed when storing this product.

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.01 Occupational exposure standards

Substance	Occupational Exposure Limits				Note
	8 Hr. TWA		15 Min. STEL		
	ppm	mg/cu. m	ppm	mg/cu. m	
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	OES	326.00	1400.00		SUP
COBALT COMPOUND (as Co)	OES		0.10		Sen

8.02 General Information

Notes:

- (1) TWA is the Long Term Exposure Limit based on an 8 hour Time Weighted Average period.
- (2) STEL is the Short Term Exposure Limit with a reference period of 15 minutes.
- (3) "Sk" indicates a risk of ABSORPTION through the skin. "Sen" indicates a respiratory sensitiser. "Carc" indicates a carcinogen and/or heritable genetic damage.

The occupational exposure limits quoted are expressed as workplace exposure limits (WELs) and are taken from the current version of EH40, except those marked 'SUP' which are OELs assigned by the supplier of the substance
The HSE adopted the new Workplace Exposure Limit

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 06

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

(WEL) system during 2005. All of the previous MELs and some OESs have been transferred to the new system.

For sprayed products the 8 hour TWA's are:-
RESPIRABLE PARTICULATES 5 mg/cu.m (TWA)
TOTAL INHALABLE PARTICULATES 10 mg/cu.m (TWA)

8.03 Engineering control measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational Exposure Limit Values suitable respiratory equipment should be worn. (See 'Occupational Exposure controls' below).

ENVIRONMENTAL EXPOSURE CONTROLS

See Section 12 for detailed information.

OCCUPATIONAL EXPOSURE CONTROLS:

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

8.04 Respiratory protection

If exposure to hazardous substances identified above cannot be controlled by the provision of local exhaust ventilation and good general extraction, suitable respiratory protective equipment should be worn. Air-fed respiratory protection should be used when painting in poorly ventilated spaces.

Where possible, wet flatting methods or chemical strippers should be used to avoid the creation of dust. When dry flatting cannot be avoided and effective local exhaust ventilation is unavailable a dust respirator to BS 2091, fitted with a particulate cartridge, and suitable for lead dust should be worn. Dusts should be contained and effectively and thoroughly cleaned up.

People not involved in the work should be excluded from the area, until thorough cleaning has been carried out. Children and pregnant women should be particularly excluded.

Refer to the Control of Lead at Work Regulations

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 07

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

- regarding protective clothing and hygiene measures
Further information is available from the
manufacturer.
- 8.05 Hand protection
When skin exposure may occur, advice should be
sought from glove suppliers on appropriate types
and usage times for this product. The instructions
and information provided by the glove supplier on
use, storage and maintenance and replacement must
be followed.
Barrier creams may help to protect exposed areas
of the skin but are not substitutes for full
physical protection. They should not be applied
once exposure has occurred.
- 8.06 Eye protection
Eye protection designed to protect against
liquid splashes should be worn.
- 8.07 Body protection
Cotton or cotton/synthetic overalls or coveralls
are normally suitable. Grossly contaminated
clothing should be removed and the skin washed
with soap and water or a proprietary skin cleaner.
Regular skin inspection of users of this product
is recommended. ALWAYS WASH YOUR HANDS BEFORE
EATING, SMOKING OR USING THE TOILET.

9. PHYSICAL & CHEMICAL PROPERTIES

- | | |
|----------------------------------|---|
| 9.01 Physical State | Viscous liquid |
| 9.02 Colour | Various |
| 9.03 Odour | Naphthenic |
| 9.04 Boiling point/range degC | 145-200 |
| 9.05 Flash point | 36-40°C BS3900:A9 |
| 9.06 Lower Explosion Limit % | 0.6 |
| 9.07 Solubility in water | Immiscible |
| 9.08 Vapour pressure | 0.21 kPa @ 20°C |
| 9.09 Density or relative density | 0.9-1.1 BS3900:A19 |
| 9.10 Flammability | Flammable |
| 9.11 Auto-flammability | 240°C |
| 9.12 Viscosity | 4.5-5.0p @ 20°C RT |
| 9.13 Vapour density (air=1) | Heavier than air |
| 9.14 General Information | VOC is 400-430 gram/litre
VOC is 41 - 47 gram/100 gram |

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 08

10. STABILITY & REACTIVITY

- 10.01 Stability Stable under the recommended storage and handling conditions. (See Section 7).
Keep dirty wipes in an enclosed container.
- 10.02 Conditions to avoid Heat, sparks, flames and other ignition sources.
- 10.03 Materials to avoid Keep away from oxidising agents and strongly acidic and strongly alkaline materials to prevent the possibility of exothermic reaction.
- 10.04 Hazardous decomposition In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

- 11.01 Skin sensitisation Contains 2-BUTANONE OXIME & COBALT COMPOUND.
May produce an allergic reaction.
- 11.02 General Information There is no data on the product itself. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short- and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 2 and 15 for details of the resulting hazard classification.
- Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects, such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
- Repeated and prolonged exposure to solvents at levels significantly above WELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy
- Signs of toxicity include changes in behaviour and memory.
- Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 09

11. TOXICOLOGICAL INFORMATION (continued)

the skin.

Splashes in the eyes may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

12.01 General Information

There is no data on the product itself.

The product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment.

This product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

See also Sections 5, 6 and 13.

13. DISPOSAL

13.01 Product/Container Disposal

Do NOT allow into drains or water courses or dispose of where ground or surface waters may be affected.

The classification of this product when disposed of as waste is:

08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances.

If this product is mixed with other wastes this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned.

For further information contact your local waste authority.

Wastes, including empty containers, are controlled wastes and should be disposed of in accordance with the regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using the information provided in this Safety Data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 10

14. TRANSPORT INFORMATION

14.01	IMDG Proper Shipping Name	UN 1263 PAINT
14.02	IMDG Class	3
14.03	IMDG Packaging Group	III
14.04	IMDG Ems	F-E, S-E
14.05	General Information	ADR Aquatic pollutant: No ADR Tunnel Restriction Code: Not Applicable

VISCOUS FLAMMABLE LIQUID DEROGATION:

In pack sizes up to and including 30 litres, under the terms of 2.3.2.5, this product is not subject to the packaging, labelling and marking requirements of the IMDG Code, but both full documentation and placarding of cargo transport units is still required.

In pack sizes less than 450 litres, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR.

These provisions do not apply to air transport.

The information provided in this section may not be valid for transport by Air.

Please call the number in section 1 of this safety data sheet to obtain more information about the transport of this product by air.

TRANSPORT WITHIN THE USER'S PREMISES: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

15. REGULATORY INFORMATION

15.01 General Information

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation.

The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product is subject to classification under VOC Product Regs SI 2006 No 2773 (see below).

The product is classified and labelled in accordance with the CHIP Regulations as follows:

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 11

15. REGULATORY INFORMATION (continued)

15.02 EC Symbols	Flammable
15.03 R Phrases	R10 R66
15.04 S Phrases	S02 S24 S43
	S51
15.05 P Phrases	P991 P101 P800iSB P801LT
15.06 R-Phrases / S-Phrases used	
P101	Safety data sheet available for professional user on request.
P800iSB	VOC Content: EU value for Cat A/(i)SB product is: 500 g/litre
P801LT	This product contains maximum 500 g/litre VOC.
P991	Contains 2-BUTANONE OXIME & COBALT COMPOUND. May produce an allergic reaction.
R10	FLAMMABLE.
R66	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.
S02	Keep out of reach of children.
S24	Avoid contact with skin.
S43	In case of fire use alcohol resistant foam, carbon dioxide, powder or water spray/mist.
S51	Use only in well ventilated areas.

16. OTHER INFORMATION

16.01 Uses and Restrictions	The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
16.02	RECOMMENDATIONS OF THE BRITISH COATINGS FEDERATION Before use - refer to the safety data sheet. Ensure maximum ventilation during application and drying. When applying by brush or roller to large interior surfaces or in confined spaces, wear a suitable cartridge respirator or air fed respiratory equipment. When spraying wear air fed respiratory protective equipment. Keep away from sources of ignition - no smoking.

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 12

16. OTHER INFORMATION (continued)

Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water or a proprietary skin cleanser. DO NOT USE THINNERS OR WHITE SPIRIT.
VOCs (Volatile Organic Compounds) contribute to atmospheric pollution.
Remove as much paint as possible from application equipment before washing.
Special precautions should be taken during surface preparation of pre-1960's paint surfaces over wood and metal as they may contain harmful lead. For some advice contact the manufacturer.
Avoid the inhalation of dust. Wear suitable face mask if dry sanding.
To avoid risk of spillage, always store and transport in a secure, upright position.

16.03 Revisions highlighted

Reversed Sections 2 and 3 in accordance with REACH Annex II and consequential amendments.
Section 1: Revised Descriptors of Use to reflect those to be used under the REACH Regulations.
Section 14: ADR Tunnel Restriction Codes added. Reference to clause 2.3.2.4 of IMDG amended to clause 2.3.2.5. and UN No and Proper Shipping Name added for IMDG documentation.
Reference to Tremcard number removed.
Revised method for assigning IMDG Marine Pollutant and ADR Aquatic Pollutant classification.
Section 16: Revised reference to CHIP Regulations to CHIP 4. Added Approved Classification and Labelling Guide (6th Edition) and CLP Regulations.
Section 8.04: Option to spray removed.

16.04 General Information

The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations and Annex II to Regulation (EC) No 1907/2006.

Further information and relevant advice can be found in:
REACH Regulations (EC) No 1907/2006
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009:716) 'CHIP4'
The Approved Classification and Labelling Guide, 6th edition.
Classification, Labelling and Packaging of Subst-

SAFETY DATA SHEET

LINOTEX FLOOR ENAMEL
(General colours)

Version 7.00 2009,17 November
LT/GENERAL

Page 13

16. OTHER INFORMATION (continued)

ances and Mixtures (EC) No 1272/2008 (The CLP Regulations).
The Control of Substances Hazardous to Health Regulations 2002(SI 2002:1689) and amendments
COSHH Essentials: easy steps to control chemicals, HSG 193. HSE books. Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this publication.
The Dangerous Substances & Explosive Atmospheres Regulations 2002(SI 2002:2776).
The Manual Handling Operations Regulations 1992, (SI 1992:2793)and amendment, The Stationery Office
Chemical Warehousing: Storage of Flammable Liquids in Containers(HSG51), HSE Books.
Storage: Packaged Dangerous Substances HSG71, HSE.
The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839), TSO.
Hazardous Waste Regulations 2005 (SI 2005:894) and amendments
A Guide to Working with Solvents (INDG 272), HSE.

16.05 Footnote

The information contained in this data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

* * * * End of Data Sheet * * * *