

PRODUCT SAFETY DATA SHEET CCL270

PAGE 1 of 5

DATE OF ISSUE: 19-10-2005

ISSUE 2

1. IDENTIFICATION OF PRODUCT & COMPANY

PRODUCT REFERENCE

PRODUCT NAME

FLAMBOYANI ENAMEL

INTENDED USE

For use as a high gloss finishing enamel for machinery. However, those colours not containing lead (as shown on the package label) may be used as a decorative household paint.

DETAILS OF COMPANY

WRIGHT'S OF LYMM LIMITED
WARRINGTON ROAD
LYMM
CHESHIRE
WA13 0SA
Tel No. 01925 75 2226

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned Workplace Exposure Limits.

Organic and/or inorganic pigments in a blended polyurethane/long oil alkyd medium in white spirit.

Substance Name	Concentration Range (%)	Symbol	R-phrases No. (*)	EINECS/ELINCS No.	CAS No.
Naphtha (Petroleum), Hydrodesulphurised Heavy	>30 & ≤35	Xn, N	10,52/53-65	265-185-4	64742-82-1
Lead Chromate (x)	<20	T, N	61-62-40-33-52/53	231-846-0	00758-97-6

(*) for full text see Section 16 (x) where applicable

3. HAZARDS IDENTIFICATION

Flammable, Harmful: may cause lung damage if swallowed. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Do not breathe vapour. Where the label shows "contains lead chromate" the Control of Lead at Work Regulations should be observed.

4. FIRST AID MEASURES

GENERAL	In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.
ON 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 recovery position and seek medical advice.
ON EYE CONTACT	Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes holding the eyelids apart, seek medical advice.
ON SKIN CONTACT	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do NOT use solvents or thinners.
ON INGESTION	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

RECOMMENDED: Alcohol Resistant Foam, Carbon Dioxide, Powder, Water Spray/Mist

NOT TO BE USED: Water Jet

RECOMMENDATIONS

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or watercourses.

DATE OF ISSUE: 19-10-2005

ISSUE: 2

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomose earth and place in a suitable container for disposal in accordance with waste regulations (see Section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent, avoid use of solvents. If the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes the relevant environment agency.

7. STORAGE & HANDLING**HANDLING**

Vapours are heavier than air and may spread along the floors. They may form explosive mixtures with air. Prevent creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the Workplace Exposure Limits. 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. Keep the 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 Controls 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. Avoid the inhalation of dusts, particulates and spray mist arising from the use of lead chromate containing products (x).

The Manual Handling Operations Regulations may apply to the handling of this product. The following guide weight indicators are given to enable users to carry out assessments.

Pack Size	Gross weight does not exceed
5 Litres	5.9 Kg
20 Litres	23.59 Kg
25 Litres	29.28 Kg

STORAGE

Observe the label precautions. Store between 5 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. Store away from oxidising agents and strongly alkaline and acid materials. The principles contained in the HSE's guidance note Storage of Packaged Dangerous Substances should be observed when storing this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING 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 concentration levels of solvent vapours and/or particulates below relevant Workplace Exposure Limits, suitable respiratory protective equipment should be worn (see Occupational Exposure Controls below).

EXPOSURE LIMIT VALUES

Substance	TWA (1)		STEL (2)		Notations (3)
	ppm (4)	mg/m ³ (4)	ppm (4)	mg/m ³ (4)	
Naphtha (Petroleum), Hydrodesulphurised					
Heavy		600			WEL
Lead Chromate (x)		0.15			MEL

NOTES

(1) Long Term Exposure Limit - 8 hour Time Weighted Average.

(2) Short Term Exposure Limit - 15 minute reference period.

(3) Sk indicates a risk of absorption through skin. 'Sen' indicates a respiratory sensitizer. 'WEL' indicates a Workplace Exposure Limit. 'BMGV' indicates a Biological Monitoring Guidance Value.

(4) 'WEL' indicates and Occupational Exposure Standard. 'MEL' indicates a Maximum Exposure Limit.

WEL's are from the current version of EH40, except where marked 'SUP' which are assigned by the supplier of the substance.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION cont...**OCCUPATIONAL EXPOSURE CONTROLS****GENERAL PROTECTION**

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.

RESPIRATORY PROTECTION

Air fed respiratory protective equipment should be worn when sprayed if exposure of the sprayer or other people nearby cannot be controlled to below the Workplace Exposure Limits and engineering methods cannot reasonably be improved.

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, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin, but are not substitutes for full physical protection. They should not be applied after exposure has occurred.

EYE PROTECTION

Eye protection designed to protect against liquid splashes should be worn.

SKIN 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.

ENVIRONMENTAL EXPOSURE CONTROL

See Section 12 for detailed information.

9. PHYSICAL & CHEMICAL PROPERTIES**PHYSICAL STATE:**

Viscous liquid

FLASH POINT:

32°C to 55°C

METHOD:

Abel Apparatus to BS2000 Part 170

VISCOSITY:

160 - 170 seconds

METHOD:

BS EN ISO 2431

SPECIFIC GRAVITY:

1.1 Kgs/Ltr Typical

METHOD:

BS3900 Part A19

VOC CONTENT:

0.45 - 0.50 Kgs/Ltr

VAPOUR DENSITY:

Heavier than air

LOWER EXPLOSION LIMIT:

0.6 % Vol.

SOLUBILITY IN WATER:

Immiscible

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions (see Section 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of an exothermic reaction.

11. TOXICOLOGICAL INFORMATION

There is no data available 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-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 3 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 systems. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage. 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 the skin. Where the label shows 'contains lead chromate' the following is relevant. Increased incidences of lung cancer have been identified in the chromate pigment manufacturing industry. Epidemiological studies have shown that where lead chromates alone were manufactured there were no cancer excesses. Animal studies have shown that some insoluble chromates are carcinogenic but the data does not extend to lead chromate pigments. There is no evidence of a risk of lung cancer arising from the use of lead chromate containing products. Epidemiological data shows an association between elevated maternal blood lead levels and developmental effects in the offspring. Following the introduction of the criteria for Toxic to Reproduction hazard classification the EC has classified all lead compounds as causing developmental toxicity in humans. Lead chromate, although of relatively low solubility and bioavailability, is included in this classification.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. LAPC requirements of regulations made under the Environmental Protection Act may apply to the use of this product. The product has been assessed following the conventional method in CHIP and is classified for ecological effects accordingly. See Sections 2 and 15 for details.

13. DISPOSAL CONSIDERATIONS

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this safety data sheet, advice should be obtained from the relevant environment agency whether the Special Waste Regulations apply.

14. TRANSPORT INFORMATION

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.

Onward transport, subsequent to purchase:

Proper Shipping Name: Paint Related Material
 UN Number: UN1263
 Hazard Class: 3
 Packing Group: III
 Sub Hazard Class:
 Technical Name 1 (NOS entries only):
 Technical Name 2 (NOS entries only):
 Marine Pollutant (IMDG only) (Y/N): Yes
 Emergency Schedule no (IMDG only): 3-05
 Flashpoint (IMDG only): 38°C

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the CHIP Regulations as follows.

Danger Classifications

Flammable. Dangerous to the Environment. Toxic (x).

Contains

Lead Chromate (x).

Risk Phrases

Flammable. Harmful: may cause lung damage if swallowed. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. May cause harm to the unborn child (x). Danger of cumulative effects (x). Possible risk of impaired fertility (x). Possible risk of irreversible effects (x).

Safety Phrases

If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label. Avoid contact with skin and eyes. Avoid release to the environment. Refer to special instruction/safety data sheet. In case of fire use foam/dry powder/Co2 - never use water. Avoid exposure - obtain special instruction before use (x). In case of accident or if you feel unwell, obtain medical advice (show the label where possible) (x). This material and its container must be disposed of as hazardous waste (x).

"P" Phrases

Do not breathe vapour or spray. Contains Lead. Should not be used on surfaces liable to be chewed or sucked by children (x).

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the 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.

16. OTHER INFORMATIONText of any Risk Phrases listed in Section 2

R10 Flammable. R33 Danger of cumulative effects. R40 Possible risk of irreversible effects. R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. R61 May cause harm to the unborn child. R62 Possible risk of impaired fertility. R65 Harmful: may cause lung damage if swallowed.

PRODUCT SAFETY DATA SHEET CCL270

DATE OF ISSUE: 19-10-2005

PAGE 5 of 5

ISSUE: 2

16. OTHER INFORMATION

The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written instructions. As the specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety 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.

Amendments to Sections: 2, 7, 8 and 14

Further information and relevant advice can be found in:-

The Control of Substances Hazardous to Health Regulations 1999 (SI1999:437), The Stationery Office.

COSHH Essentials, easy steps to control chemicals, HS(G)193, HSE Books. Details of Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this publication.

The Dangerous Substances and Explosive Atmospheres Regulations 2002 (SI2002:2776), The Stationery Office.

The Manual Handling Operations Regulations 1992 (SI1992:2793), The Stationery Office.

Chemical Warehousing: Storage of Flammable Liquids in Containers. HS(G)51, HSE Books.

Storage of Packaged Dangerous Substances. HS(G)71, HSE Books.

The Environmental Protection (Duty of Care) Regulations 1992 (SI1992:2839), The Stationery Office.

A Guide to Working with Solvents. INDG 272, HSE Books.