

Material Safety Data Sheet

according to EC directive 91/155/EEC and subsequent amendments

Zoffany Eggshell

Date reviewed: 18th November 2013

Date issued: 31 January 2014

Replaces all previous editions

1. Identification of the Preparation and of the Company

Reference/Product name: **Zoffany Eggshell**
Intended use: Decorative coating/finish for application by brush, roller or spray
Company/undertaking name & address: ZOFFANY LIMITED, Chalfont House, Oxford Road,
Denham, UB9 4DX
Telephone: 0844 543 4600 Fax: 0844 543 4602
e-mail: enquiries@zoffany.uk.com

2. Hazards Identification

Flammable. Repeated exposure may cause skin dryness or cracking (also refer to Section 11).
Specific hazards: Contains: Cobalt compound and ethyl methyl ketoxime, may produce an allergic reaction.

3. Composition

Description: Mixture including the following substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational Workplace Exposure Limits

Substance:	% content:	CAS Number:	Classification:	EINECS:	EU Number:
Petroleum Distillate	22-28%	064742-48-9	Xn, R10, R65, R66	265-150-3	649-327-00-6
Xylene	<2.5%	001330-20-7	Xn, R10, R20/21, R38	215-535-7	601-022-00-9
Cobalt compound	<0.5%	068409-81-4	Xn, N, R22, R43, R51/53		
Ethyl methyl ketoxime	<0.5%	000096-29-7	Xn, R21, R40, R41, R43	202-496-6	616-014-00-0

Refer to section 15 & 16 for the wording of the listed risk phrases

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

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and warm water or use a proprietary skin cleanser based on polyethylene glycol. Do NOT use solvents or thinners. If a skin reaction occurs seek medical attention

Eye contact: Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do **NOT** induce vomiting

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice

5. Fire fighting measures

Suitable extinguishing media: Alcohol resistant foam, CO₂, powder, water spray/mist
Unsuitable extinguishing media: High volume water jet
Required special protective equipment for fire-fighters: Fire will produce dense black smoke, vapours and other hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus will be required. Do not allow run-off from fire fighting to enter drains, water courses or soil

Should a fire occur where this material is in use or stored then:

6. Accidental release measures

Personal precautions: Keep away from sources of ignition. Refer to protective measures listed in Sections 7 and 8
Environmental precautions: Contain and cover spillages with wet non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, place in a suitable container to await disposal in accordance with the waste regulations (see Section 13).
If the product enters drains or sewers immediately contact the local water company; in the case of contamination of streams, rivers or lakes, the relevant environment agency

Methods for cleaning: Clean preferably with a detergent: avoid the use of solvents

7. Handling and storage

Handling: Vapours are heavier than air and will spread along floors. They may form explosive mixtures with air. Use product only in areas where naked flames and other sources of ignition have been excluded. This product contains a skin sensitiser. Hands should be inspected on a regular basis for any signs of skin damage or inflammation. If in doubt advice should be obtained from a competent health practitioner on assessment and health surveillance of employees exposed to this product. (The HSE's Employment Medical Advisory Service can advise on competency). Keep the container dry and closed at all possible times. Use non-sparking tools. Avoid skin and eye contact. Avoid inhalation of vapour or spray. Smoking, eating and drinking should be prohibited in areas of use. Never use pressure to empty the container (it is not a pressure vessel). Always keep in containers made of the same material as the supply container.

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Handling continued:

Clothes/rags and contaminated protective clothing should be removed from the premises at the end of the day and disposed of separately to other combustible material so that in the event of self ignition will not lead to the development and spread of a fire. Cloths/rags used for the application/removal of product may self ignite after several hours. The Manual Handling Operations Regulations may apply to the handling of packages of this product. Refer to the guide weight indicated on the package when carrying out assessments.

Storage:

The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: [Up to 250 litres of liquids with a flashpoint 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. 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.]
Keep the container tightly closed and dry. Observe the label precautions. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store separately from strongly alkaline and strongly acidic materials

8. Exposure Control / Personal Protection

Exposure Controls:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and general good extraction.

Substance (WEL/OEL)	TWA ⁽¹⁾		STEL ⁽²⁾		Notations ⁽³⁾
	ppm ⁽⁴⁾	mg.m ⁻³ ⁽⁴⁾	ppm ⁽⁴⁾	mg.m ⁻³ ⁽⁴⁾	
Petroleum Distillate		1000			SUP
Xylene	50	220	100	441	Sk

⁽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 the skin. 'SEN' indicates a respiratory sensitiser. 'Carc' indicates a risk of cancer or heritable genetic damage. ⁽⁴⁾ 'WEL' indicates a Workplace Exposure Limit. WEL's are taken from the current version of EH40, except those marked 'SUP' that are OEL's assigned by the supplier of the substance.

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 and PPE Regulations including 'face fit testing for RPE'

Respiratory protection:

Where possible air-fed respiratory protective equipment should be worn when this product is sprayed, if this is not available then respirator to suit solvent vapours must be worn. This should be in addition to other measures taken to reduce exposure (e.g. in booth design, operation and process modifications). Non-essential and unprotected people should be excluded from the area if exposure is possible.

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

Eye protection:

Eye protection designed to protect against liquid splashes should be worn

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 once exposure has occurred.

Hygiene measures:

Ensure hands are washed before eating drinking or going to the toilet. Apply skin protection cream before handling. Immediately remove any contaminated clothing

9. Physical and chemical properties

Appearance:	Liquid	Melting point:	n/a
Odour:	Hydrocarbon	Explosive properties:	LEL=0.9%
Colour:	B.W. and Colours	Flashpoint:	>32 but <55 °C
Viscosity:	1.27 – 1.55 poise (C&P 10,000rpm @25 °C)	Vapour pressure:	Heavier than air
pH:	n/a	Relative density	1.35 – 1.56 g/cm ³ (weight cup) depending on shade
Boiling point:	>150 °C	Solubility:	Insoluble in water
V.O.C.	297 g/l max. (EU limit cat A/a SB = 300 g/L 2010)		

10. Stability and reactivity

Conditions to avoid:

Stable under the recommended storage and handling conditions (see Section 7).

Materials to avoid:

Strong acids, alkalis and oxidizing agents.

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

Acute toxicity:

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.

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11. Toxicological information continued

Exposure may affect human health as follows:

Skin contact:	Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis. Solvents may cause some of the above effects by absorption through the skin.
Eye contact:	Splashes in the eyes may cause irritation and reversible local damage
Inhalation/ingestion:	Exposure to organic solvent vapours may result in adverse effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

12. Ecological information

This product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment, but contains substances so classified. See Section 2 for details

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

Substance classified as DfE ⁽¹⁾	Mobility ⁽²⁾	Persistence and biodegradability ⁽²⁾	Other adverse effects ⁽²⁾
Cobalt driers	Low potential to bioaccumulate	Biodegradable	Toxic to aquatic organisms

⁽¹⁾ All substances listed in Section 2 and classified as dangerous for the environment (DfE)

⁽²⁾ Information taken from suppliers' safety data sheet and relevant to environmental impacts in the accidental release in storage, handling, use and disposal

13. Disposal Considerations

The classification of this product when disposed of as waste is **H3B, H5** and **08 01 11** in the European Waste Catalogue. 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 emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under The Control of Pollution Act, The Environmental Protection Act and The Hazardous Waste Regulations. Advice should be obtained from the relevant waste authority on the classification of empty containers.

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

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 an accident or spillage.

Onward transport, subsequent to purchase:

Land transport ADR/RID (cross border):

ADR/RID class:	3	Packaging group:	III
Item:		Danger code (Kemler/EAC):	30/3Y
UN-Number:	1263	Hazard label:	Xn
		Description of goods:	Paint

Maritime transport IMDG:

IMDG class:	3.3	Page:	
UN-Number:	1263	Packaging group:	III
EMS Number:	3.05	MFAG:	310
Marine pollutant:	No	Proper shipping name:	Paint

Air transport IATA-DGR

IATA class:	3	UN/ID Number:	1263
Packaging group:	III	Proper shipping name:	Paint

15. Regulatory information

Labelling according to EEC Directives: FLAMMABLE

Contains:		Cobalt compound and ethyl methyl ketoxime
Risk Phrases:	R10 R66	Flammable Repeated exposure may cause skin dryness or cracking

Labelling continued:

Safety phrases:	S2 S16 S23 S24/25 S29 S36/37 S45 S51	Keep out of the reach of children Keep away from sources of ignition – No Smoking Do not breathe fumes/vapours/ or spray Avoid contact with skin and eyes Do not empty into drains Wear suitable protective clothing and gloves In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) Use only in well-ventilated areas
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The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work

16. Other Information

General:

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 handling instructions. As the specific conditions of use of the product are outside the supplier's 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 on 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.

This safety data sheet replaces all previous versions (refer to above date) and may contain significant new information affecting your risk assessment when using this product. The information contained in this safety data sheet is based on the present state of knowledge and current legislation. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness.

Recommendations/restrictions:

The information provided relates only to the material specified for industrial use and does not apply if used in combination with other materials. The data sheet gives information to the best of our knowledge on the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed. It is the user's responsibility to be satisfied that the information provided is suitable and complete enough for this materials particular use.

Sources of key data and guidance used to compile this Safety Data Sheet:

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC)

Dangerous Products Directive 1999/45/EC amendment 2006/8/EC

Suppliers' data

Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3) SI 2002/1689 and amendments from SI 2004:568, SI 2005:2571

Approved supply list. Information approved for the classification and labelling of substances and preparations dangerous for supply L129 (Seventh Edition)

Approved classification and labelling guide. Guidance on Regulations L131 (Fifth Edition)

The compilation of safety data sheets Approved Code of Practice L130 2002

CHIP for everyone HSG228

European Inventory of Existing Commercial Chemical substances (EINECS)

Approved carriage list Information approved for the carriage of dangerous goods by road and rail L90 (Third Edition)

Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Equipment Regulations 2004 SI 2004/568

Occupational exposure limits EH40/2005

The BCF Guide to the CHIP Regulations December 2005

Dangerous Substances and Explosive Atmospheres Regulations 2002 SI 2002/2776

Hazardous Waste Regulations 2005 SI 2005/894

Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2005 SI2005:2773

Further information and advice can be found in:

Control of Substances Hazardous to Health Regulations 2002 (COSHH) SI 2002/1689 and subsequent amendments

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

ACoP - Dangerous Substances and Explosive Atmospheres Regulations – L138

Storage of Flammable Liquids in containers, HS (G) 51

Chemical Warehousing: Storage of Packaged Dangerous Substances, HS (G) 71

The Environmental Protection (Duty of Care) Regulations 1992 SI1992/2839

A Guide to Working with Solvents, INDG 272

R phrases of hazardous components (except those already listed in section 15):

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R41	Risk of serious damage to eyes
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.

Changes to previous version: Complete revision