

SAFETY DATA SHEET

OPTIBACT

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1. PRODUCT AND COMPANY IDENTIFICATION

1.01 Product Code FOPTIBACT
 1.02 Product Name OPTIBACT
 1.03 Synonyms DP1539

1.04 Intended Use An Anti-bacterial waterborne paint for decorating buildings.
 Application is usually by brush, roller or spray.

1.05 Supplier Protec Finishes
 1.06 Address Ainsty Road
 Wetherby
 West Yorkshire
 LS22 7QN

1.07 Contact Protec Finishes (info@protecfinishes.co.uk)
 1.08 Phone Number 01937-585917
 1.09 Fax Number 01937-580955
 1.10 Emergency Phone Number 01937-585917

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.01 General Information Contains less than 0.05% (w/w) of isothiazolones:-
 1,2-BENZISOTHIAZOL-3(2H)-ONE (EC 220-120-9) and/or
 2-METHYL-2H-ISOTHIAZOL-3-ONE (EC 220-239-6) and/or
 2-OCTYL-2H-ISOTHIAZOL-3-ONE (EC 247-761-7).

2.02 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 025265-77-4) 'TEXANOL' ESTER ALCOHOL	1.0 - 2.5	246-771-9		R52
(CAS 026530-20-1) 2-OCTYL-2H-ISOTHIAZOL-3-ONE	0.01 - 0.05	247-761-7	T N	R22 R23/24 R34 R43 R50/53
(CAS 000886-50-0) TERBUTRYN	0.01 - 0.05	212-950-5	N	R50/53

2.03 R-Phrases used

R22 HARMFUL IF SWALLOWED.
 R23/24 TOXIC BY INHALATION AND IN CONTACT WITH SKIN.
 R34 CAUSES BURNS.
 R43 MAY CAUSE SENSITISATION BY SKIN CONTACT.
 R50/53 VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-

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2. COMPOSITION/INFORMATION ON INGREDIENTS (continued)

R52 TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
HARMFUL TO AQUATIC ORGANISMS.

3. HAZARD IDENTIFICATION

3.01 Main Hazards The product has been assigned the following
indications of danger:

DANGEROUS FOR THE ENVIRONMENT

3.02 General Information TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM
ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

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.

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 Alcohol resistant foam, carbon dioxide, powder,
water spray/mist.

5.02 Unsuitable Extinguishing Media Water jet.

5.03 Special Hazards As the product contains combustible organic
components, fire will produce dense black smoke

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5. FIRE FIGHTING MEASURES (continued)

- 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.
- 5.07 General Information This product may be packaged in combustible organic materials.

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 material which is non-combustible, 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 non-essential personnel.

7. HANDLING & STORAGE

- 7.01 Handling Keep the container tightly closed. Exclude all sources of heat, sparks and open flames. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For Occupational Exposure Controls, 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.
Prevent the generation and inhalation of harmful dusts and fumes when preparing surfaces previously coated with lead containing paints. Further infor-

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7. HANDLING & STORAGE (continued)

mation is available from the manufacturer and in the publications referred to in Section 16.

The Manual Handling Operations Regulations may apply to the handling of containers filled with this product. To assist in calculating weight of pack, the pack size in litres can be multiplied by the relative density value given in Section 9. This will give the nett weight of the product in kilograms. Allowance for packaging 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.

Prevent unauthorised access.

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

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				
	8 Hr. TWA		15 Min. STEL		Note
	ppm	mg/cu. m	ppm	mg/cu. m	
PROPANE-1,2-DIOL	OES 150.00	474.00			

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.

The occupational exposure limits quoted are expressed as workplace exposure limits and are taken from EH40/2005, except those marked 'SUP' which are OELs assigned by the supplier of the substance. The HSE adopted the new Workplace Exposure Limit (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:-

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

RESPIRABLE PARTICULATES 5 mg/cu.m (OEL)
TOTAL INHALABLE PARTICULATES 10 mg/cu.m (OEL)

ENVIRONMENTAL EXPOSURE CONTROLS:

See Section 12 for detailed information.

8.03 Engineering control measures

Provide adequate ventilation. Where reasonably practical 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 Exposure Limit Values, suitable respiratory equipment must be worn. (See Occupational Exposure Controls below.)

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 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

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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	Liquid
9.02 Colour	Various
9.03 Odour	Slightly of ammonia
9.04 pH	8.7 - 9.2 (meter)
9.05 Boiling point/range degC	c. 100
9.06 Solubility in water	Completely miscible
9.07 Density or relative density	1.25-1.35 BS3900:A19
9.08 Flammability	Not flammable
9.09 Viscosity	15-17p 20C BS3900:A7
9.10 General Information	Maximum VOC = 25 g/litre VOC = 2 g/100 g

10. STABILITY & REACTIVITY

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

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11. TOXICOLOGICAL INFORMATION

11.01 General Information

There is no data on the product itself.

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through 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 classified for ecological hazards accordingly. See Sections 3 and 15 for details.

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

The Air Pollution Control requirements of the regulations made under the Environmental Protection Act and Pollution Prevention and Control Act may apply to the use of this product.

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 12 Waste paint and varnish other than those mentioned in 08 01 11.

If this product is mixed with other wastes, this code may no longer apply. If this product is 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

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13. DISPOSAL (continued)

sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

14. TRANSPORT INFORMATION

14.01 UN Number 3082
14.02 UN Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (NOS)
(Terbutryne)
14.03 UN Class 9
14.04 UN Packing Group III
14.05 ADR/RID Description
14.06 General Information Transport to be in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air.

The transport classifications provided in this section are not valid for transport by Air. Please call the number in section 1 of this safety data sheet to obtain more information on this product's classification for Air transport

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:

15.02 R Phrases N Dangerous for the Environment
R51/53
15.03 S Phrases S61

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15. REGULATORY INFORMATION (continued)

15.04 P Phrases	P101 P801DP1539	P800aWB	P800cWB
15.05 R-Phrases / S-Phrases used	Safety data sheet available for professional user on request.		
P101	VOC Content: EU value for Cat A/(a)WB product is: 75 g/litre (2007) and 30 g/litre (2010)		
P800aWB	VOC Content: EU value for Cat A/(c)WB product is: 75 g/litre (2007) and 40 g/litre (2010)		
P800cWB	Acrylic Matt 'M' Base DP1539 contains maximum 25g/litre VOC.		
P801DP1539	TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.		
R51/53	Avoid release to the environment. Refer to special instructions/safety data sheets.		
S61			

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 Ensure maximum ventilation during application and drying. 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. Keep out of reach of children. VOCs (Volatile Organic Compounds) contribute to atmospheric pollution. Remove as much paint as possible from application equipment before washing. Some local authorities have special facilities for disposing of waste paint. Do not empty product into drains or watercourses. When spraying, do not breathe spray; wear suitable respiratory equipment.

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16. OTHER INFORMATION (continued)

Before use, refer to the safety data sheet, which is available for professional users on request. 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 manufacture. Avoid the inhalation of dust. Wear suitable face mask if dry sanding. To avoid the risk of spillage, always store and transport in a secure, upright position.

16.03 Revisions highlighted

New: 14/10/2008 - Recoded from fxDP1539.
Incorporates CHIP Amendment 2008 (SI 2008:2337)

16.04 General Information

The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations.

Further information and relevant advice can be found in:
The Control of Substances Hazardous to Health Regulations 2002(SI 2002: 2677) 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). The Stationery Office.
The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992: 2839). TSO.

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 * * * *