



SAFETY DATA SHEET

1. Identification of the preparation and of the company/undertaking

Product Name and/or Code : SEATECH SATIN VARNISH 09240

Company name and address : Blakes Paints
Swanwick Marina
Southampton
Hampshire SO31 7EF
Telephone: 01489 864440

Emergency phone:
01489 864440
See section 4 First aid
measures.

Product Type : water borne polyurethane varnish

Field of application : buildings, metal industry, private (yachts), ships and shipyards.

Date of issue : 25-02-2004.

Date of previous issue : No Previous Validation.

2. Composition/information on ingredients

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Ingredient Name	CAS no.	%	EC Number	Classification
N-methyl-2-pyrrolidone	872-50-4	5-10	212-828-1	Xi; R36/38

Notes

(*) See full text of phrases under Chapter 16 and * Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

Contains (3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionat). May produce an allergic reaction.

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.
- Inhalation** : Move the person into fresh air and keep the person under surveillance. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
- Eye Contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting unless directed to do so by medical personnel. Lower the head so that the vomit will not reenter the mouth and throat.

5. Fire-fighting measures

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Fire-fighters should wear proper protective equipment. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

Extinguishing Media : Recommended: alcohol resistant foam, CO₂, powders, water spray.
Not to be used : waterjet.

Fire Degradation Products : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).
Some metallic oxides.

6. Accidental release measures

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulation

7. Handling and storage

Handling

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

Storage

Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection

Engineering measures : Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hygiene measures : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Ingredient Name	Occupational Exposure Limits
N-methyl-2-pyrrolidone	EH40-OES (United Kingdom (UK), 2002). Skin Notes: OES STEL: 309 mg/m ³ 15 minute(s). STEL: 75 ppm 15 minute(s). TWA: 103 mg/m ³ 8 hour(s). TWA: 25 ppm 8 hour(s).

Personal protective equipment

General : Gloves must be worn for all work that may result in soiling.
Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product.

Respiratory system : If working areas have insufficient ventilation, wear half or totally covering mask equipped with gas filter of type A (Brown), when grinding with particle filter of type P2. When spraying wear combined filter AP. Be sure to use approved/certified respirator or equivalent. Always wear air-fed respirator when spraying. In continuous and prolonged work isolating protection (e.g. hood with supply of fresh or compressed air) or motor driven fan protection is recommended.

Skin and body : If necessary wear protective clothing. Always wear protective clothing when spraying.

Hands : Wear suitable gloves. Barrier creams may help to protect the exposed areas of the skin, but should not be applied once exposure has occurred. Barrier creams may not be used under or instead of gloves.
It is not possible to specify precise type of gloves, since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type.

Eyes : Use safety eyewear designed to protect against splash of liquids.

9. Physical and chemical properties

Physical state	: Liquid.
Density	: 1.021 g/cm ³
Solubility	: Easily soluble in cold water, hot water.
Flash point	: The lowest known value is Closed cup: 85.9°C (186.6°F). (N-methyl-2-pyrrolidone)
Explosion Limits	: 1.3 - 9.5 vol %
% by Weight	: Weighted average: 10 %
% by Weight	: Weighted average: 53 %
VOC Content	: Weighted average: 103 g/l (CEPE)
TOC Content	: Weighted average: 64 g/l
Solvent Gas	: 0.025 m ³ /l paint

10. Stability and reactivity

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

Slightly reactive to reactive with oxidising agents.

When exposed to high temperatures (i.e. in case of fire) hazardous decomposition products may be formed:

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...). Some metallic oxides.

11. Toxicological information

Effects and symptoms

Exposure to component solvent vapor concentrations may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Accidental swallowing may cause stomach pain. Chemical lung inflammation may occur if the product is taken into the lungs via vomiting.

Sensitization : Contains (3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionat). May produce an allergic reaction.

12. Ecological information

The product must not be drained into water courses or drainage system.

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

European waste catalogue no. (EWC) and national waste group, catalogue, code or number is given below.

EWC no. : 08 01 12

14. Transport information

Transport may take place according to national regulation or ADR for transport by road, RID for transport by train, IMDG for transport by sea.

The transport classification is according to ADR 2003, IMDG edition 2002 (incl. Amdt. 31-02).

	UN-no.	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class		Not dangerous goods	-	-		-
IMDG Class		Not dangerous goods	-	-		-

15. Regulatory information

Classification and labelling according to EU-Directives (the Preparations directive etc.).

- Risk Phrases** : This product is not classified according to the EU regulations.
- Safety Phrases** : S2- Keep out of the reach of children.
S23- Do not breathe vapor/spray.
S51- Use only in well-ventilated areas.
- Additional Warning Phrases** : Contains (3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionat). May produce an allergic reaction. Safety data sheet available for professional user on request.

Other EU regulations

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.

- Consumer applications, Industrial applications, Used by Spraying.

16. Additional Information

- Full text of R phrases referred to in Sections 2 and 3 - United Kingdom (UK) : R36/38- Irritating to eyes and skin.
- Full text of classifications referred to in Sections 2 and 3 - United Kingdom (UK) : Xi - Irritant

Notice to Reader

Modified data or content compared with the previous version are marked with a triangular marker in the upper-left corner within the Safety Data Sheet.

The information contained in this safety data sheet is based on the present state of knowledge and EU and national legislation. It provides guidance on health, safety and environmental aspects for handling the product in a safe way and should not be construed as any guarantee of the technical performance or suitability for particular applications. It is always the duty of the user/employer to ascertain that the work is planned and carried out in accordance with the national regulations.