



Safety Data Sheet

1. Product and company identification

Supplier: The Vapormatic Co. Ltd
PO Box 58, Kestrel Way
Sowton Industrial Estate,
Exeter, EX2 7NB, England

Phone Number: 00 44 (0)1392 435461
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Email: enquiries@vapormatic.com

Product Name: Lock and Seal
Product Code: VLB4042 50ml bottles

2. Composition – information on the components

Substance Name	CAS No.	% by wt	Hazard Symbols	Risk Phrases
Hydroxyalkyl methacrylate	27813-02-1	<20%	Xi	36/38
Organic <5% 80-15-9 0,C 7,20/22, 34 peroxide	80-15-9	<5%	0,C	7,20/22, 34

Substances presenting a Health or Environmental hazard within the meaning of the Chemicals (Hazard Information & Packaging) Regulations 1994 as amended. For full text of Risk Phrases see Section 16 "Other Information"

3. Hazard Identification:

Prolonged or repeated exposure to products containing refined mineral oil or HBPF distillates may result in dermatitis unless good personal hygiene is used. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50° C. Do not pierce or burn even after use. Do not spray on naked flame or any incandescent material. Deliberately concentrating and inhaling contents of this container can be fatal.

Main Hazards: May cause sensitization by skin contact



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4. First Aid Measures:

First Aid – Eyes

Remove contact lenses if worn. Flush immediately with Water for at least 15 minutes. Get immediate medical attention

First Aid – Skin

Wash with soap and water. Do not use solvents or thinners. Immediately remove contaminated clothing.

First Aid – Ingestion

DO NOT INDUCE VOMITING. Give person plenty of water to drink. Get immediate medical attention.

First Aid – Inhalation

Remove exposed person to fresh air if adverse effects are observed. If breathing is laboured, administer oxygen. If breathing has stopped, apply artificial respiration. If patient is unconscious place in coma position, get immediate medical attention.

Additional Information

In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures:

Extinguishing Media

Foam, CO₂, and dry powders.

Combustion Products

CO, CO₂, possibility of phthalic anhydride and others not determined.

Protective Equipment

For large fires the local fire brigade must be called. Respirators and protective clothing must be worn.

6. Accidental Release Measures:

Personal Precautions

Wear appropriate protective clothing including mask and goggles. Avoid contact with eyes and skin. Inhalation of vapours to be strictly avoided.

Environmental precautions – prevent the material from entering drains or watercourses. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.

Spillages

Remove all sources of ignition. Ventilate the area. Contain and absorb spillage using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.



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7. Handling and Storage:

Handling Procedure

Ensure adequate ventilation. Wear suitable protective clothing. Always ensure product is in contact with air atmosphere. High standards of industrial hygiene are necessary.

Storage Procedure

Observe the label precautions. Store <25°C in dry, well ventilated place, away from sources of heat, ignition and light. No smoking.
Store upright in original containers for up to 1 year under proper storage conditions

8. Exposure Controls – Personal Protection

General protection

Good ventilation is required. Suction exhaust of vapours at source is recommended. Use fresh air breathing apparatus or solvent filter mask when exposed to large quantities in confined spaces.
Safety glasses or goggles are recommended
Latex or neoprene gloves are recommended.
Overalls are recommended when large quantities of product are involved.

9. Physical and technical properties:

Physical State

Blue liquid

Odour

Sweet

Melting point:

Approx. -10°C

Boiling point:

Approx. > 100°C

Flash point:

> 150°C

Flammability:

Low

Solid Content:

100%

Auto flammability:

N/A

Explosive limits:

UEL: N/A

LEL:

N/A

Oxidising properties:

N/A

Vapour pressure:

N/A (of principle component and name)

Relative density:

@ 25°C. Approx. 1.05

Solubility in water:

Slightly miscible

Viscosity:

@ 25°C. 300 – 800 mPas

10. Stability and Reactivity:

Conditions to Avoid

High temperatures. sunlight. anaerobic atmosphere.
Prolonged heating, catalysts, oxidising agents, acids, alkalis and peroxides.

Materials to Avoid

Polymerisation catalysts such as free radicals and their precursors, peroxides, radiations, strong bases, oxidants, mineral acids and transition metals
cont....

Thermal Decomposition Products

CO, CO₂, phthalic anhydride and others not determined.
Hazardous polymerization may occur.



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11. Toxicological Information:

Effect of eye contact:	May cause slight irritation.
Effect of skin contact:	May cause slight irritation. May cause sensitisation by skin contact.
Effect of inhalation:	May cause slight dizziness. Ensure adequate ventilation.
Effect of ingestion:	Ingestion of massive quantities could cause gastro intestinal damage.

12. Ecological Information:

There is no data available on the product itself. Large quantities of the 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 regulations made under the Environmental Protection Act may apply to the use of this product.

13. Disposal:

Product disposal	Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface water may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations under the Control of Pollution & Environmental Protection Acts.
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14. Transport Information:

UN No.	None
UN Packing Group	None
Hazard Code	None
	No other transport information available

15. Regulatory Information:

CHIP Labelling	
Symbol:	None
Contains:	Methacrylates (optional)
Risk Phrases:	None
Safety Phrases:	S26,28. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. After contact with skin wash immediately with soap and water.
Other mandatory Phrases:	None

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks and as require 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 Information:

General Characteristics



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Resin: Dimethacrylate

Colour: Blue

Cure Speed with Activator: <5 minutes

Cure Speed without Activator: 20 min @ 25°C

Viscosity (Thixotropic): 1200 - 1500 cps

Gap Fill: .005"

Flash Point: >100°C

Shelf Life: 12 months @ 20°C

Specific Gravity: 1.1 to 1.15

Max. Operating Temperatures: -54°C to +149°C

Performance Characteristics

Full Cure Time: 24 hours @ 20°C

Typical Breakaway Strength: 100 - 200 lbs"

Typical Prevailing Strength: 30 - 60 lbs"

Tested to ISO10964

Properties

Controlled torque tension. Easily removed with conventional tools.

Thixotropic nature prevents run-off on application and migration after assemblies.

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) 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. Further information and relevant advice can be found in:-

The Control of Substances Hazardous to Health Regulations 1988 (SI 1988: 1657)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers. HS(G)51

Storage of Packaged Dangerous Substances. HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988: 2839)

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