

SAFETY DATA SHEET

Section 1. Identification of the Preparation and Company	
Product name	B-I-N [®] aerosol spray
Intended use	Pigmented shellac-based primer and sealer designed for interior spray-painting applications. It is supplied in an aerosol spray can.
Responsible person in EU	Zinsser UK Ltd
	01937 584411
Emergency telephone	As above

Section 2. Composition / Information on Ingredients			
Substance name	Conc. Range (wt. %)	EC No. (CAS No.)	Classification
Acetone	25 – 30	200-662-2 (67-64-1)	F Xi R: 11-36-66-67
Ethanol	15 – 25	200-578-6 (64-17-5)	F R11
Isobutane	10 – 20	200-857-2 (75-28-5)	F+ R12
Propane	10 – 20	200-827-9 (74-98-6)	F+ R12
2.2 Substances present in concentrations that do not require classification but are indicated in the Approved Supply List.			
Substance name	Conc. range (wt. %)	EC No. (CAS No.)	
Propan-2-ol	5 - 10	200-661-7 (67-63-0)	
Butan-1-ol	5 - 10	200-751-6 (71-36-3)	

Section 3. Hazards identification	
Classification	Xi Irritant F+ Extremely Flammable

Section 4. First aid measures	
General	In all cases of doubt, or when symptoms persist, seek medical attention. Show label where possible. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.
Skin contact	Flush from skin with water. Then wash thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing before re-use. If irritation occurs, consult a physician.
Eye contact	Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.
Ingestion	If swallowed, obtain medical treatment immediately.

Section 5. Fire-fighting measures	
Extinguishing media	Dry chemical or alcohol resistant foam, water fog or carbon dioxide.
Prohibited extinguishing media	None known.
Special exposure hazards	Closed containers may explode when exposed to extreme heat or fire. Vapours may ignite explosively at ambient temperatures. Vapours can form explosive mixtures in air at elevated temperatures. Closed containers may burst if exposed to heat (above 50°C).
Special protective equipment for fire fighters	As the product contains combustible organic components fire can produce black smoke containing hazardous products of combustion. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.

Section 6. Accidental release measures	
Personal precautions	Exclude non-essential personnel. Avoid breathing vapour. Floors may become slippery. Refer to protective measures listed in Sections 7 and 8.
Environmental precautions	The material is not classified as toxic to the environment. However, care should be taken not to allow entry into drains or watercourses.
Cleaning up measures	Exclude non-essential personnel. Avoid breathing vapour. Floors may become slippery. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e.g., sand, earth, vermiculite, diatomaceous earth and place in a clearly labelled suitable container for disposal in accordance with local waste control laws (see Section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid the use of solvents.

Section 7. Handling and storage	
Handling	<p>Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use.</p> <p>Apply product only in accordance with methods stated in Section 1. Avoid skin and eye contact. Avoid inhalation of spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8. Good housekeeping standards and regular safe removal of waste materials are recommended.</p>
Storage	<p>Keep away from heat, direct sunlight, and sources of ignition. Store upright in a dry, well-ventilated area between 5° C and 25°C.</p> <p>Although the storage of this material is not regulated under specific statutory requirements, the principles contained in HSE guidance documents HS(G)51 Storage of Flammable Liquids in Containers and Storage of Packaged Dangerous Substances should be observed.</p>
Specific uses	Apply this product in accordance with the methods stated in Section 1.

Section 8. Exposure controls / personal protection	
Exposure limit values	
Acetone	TLV: 750 ppm; 1780 mg/m ³ (ACGIH 1993-1993).
Ethanol	TLV: 1000 ppm (as TWA). MAK 960 mg/m ³
Isobutane/propane	MAK: 1000 ppm; 2350 mg/m ³
Propan-2-ol	TLV: 400 ppm (as TWA). STEL 500ppm
Butan-1-ol	TLV: 50 ppm; 152 mg/m ³ (ceiling values) (skin) (ACGIH 1994-1995). MAK: 100 ppm; 300 mg/m ³ (1994).
Exposure controls	Ensure good ventilation during application and drying. Solvent vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid concentrations that exceed occupational exposure limits.
Occupational exposure controls	The Control of Substances Hazardous to Health Regulations 1994 (COSHH) may apply to the use of this product work. Engineering control of operator exposure must be used where reasonably practicable in addition to personal protective equipment (PPE). However, engineering controls may replace PPE if a COSHH assessment that they provide an equal or higher standard of protection.
(a) Respiratory protection	Suitable respiratory protective equipment should be worn during spray application to prevent inhalation of spray mists. Special precautions should be taken during surface preparation of pre-1960 paint surfaces as they may contain harmful lead. Avoid the inhalation of dust. Wear a suitable face mask if dry sanding.
(b) Hand protection	Where skin exposure may occur, advice should be sought from glove suppliers on appropriate types. 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.
(c) Eye protection	Eye protection designed to protect against liquid splashes should be worn.
(d) 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.
Environmental exposure controls	The material is not classified as toxic to the environment. However, care should be taken not to allow entry into drains or watercourses.

Section 9. Physical and chemical properties			
General information			
Appearance	White aerosol spray mist.	Odour	Alcohol type odour.
Important health, safety and environmental information			
pH	N/A (non-aqueous system)	Boiling point	N/D
Flammability	Extremely Flammable	Flash point	< 0°C
Lower Explosive Limit	N/D	Upper Explosive Limit	N/D
Viscosity	N/A	Specific Gravity (water = 1)	1.0
Water solubility	Not soluble.	Evaporation rate (n-Butyl Acetate = 1)	N/D
Vapour pressure	N/D	Vapour density	Greater than air.

Section 10. Stability and reactivity	
Conditions to avoid	No open flames, No sparks, and No smoking. No contact with strong oxidants.
Materials to avoid	Not evaluated
Hazardous decomposition products	Not evaluated

Section 11. Toxicological information	
Acute toxicity	The preparation has been assessed and found to produce no effect.
Corrosivity / irritation	The preparation has been assessed and may produce irritant effects to the eyes. Repeated exposure may cause skin dryness or cracking
Sensitisation	The preparation has been assessed and found to produce no effect.
Repeated dose toxicity	The preparation has been assessed and found to produce no effect.
Mutagenicity	The preparation has been assessed and found to produce no effect.
Carcinogenicity	The preparation has been assessed and found to produce no effect.
Reproductive toxicity	The preparation has been assessed and found to produce no effect.

Section 12. Ecological information

There is no data available on the product itself. The product should not be allowed to enter drains, watercourses, access routes to septic tanks or be deposited where it can affect ground or surface waters.

Section 13. Disposal considerations

Do not allow into drains, watercourses, access routes to septic tanks or dispose of where ground or surface waters may be affected.

Section 14. Transport information

UN number	UN1950
Class	2
Shipping name	Aerosols
Packing group	II
Marine pollutant	N/A
Other information	N/A

Section 15. Regulatory information

The preparation was evaluated according to the requirements of The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002, EH40/2002 Occupational Exposure Limits and was classified as follows:

F+ Extremely Flammable

Xi Irritant

R12 Extremely Flammable

R36 Irritating to eyes

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

S2 Keep out of the reach of children

S16 Keep away from sources of ignition-No smoking

S23 Do not breathe spray.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51 Use only in well-ventilated areas.

The product label contains the following statements as required by the EC directive relating to aerosol dispensers (75/324/EEC):

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 a naked flame or any incandescent material.

Section 16. Other information	
R – phrases listed in Section 2:	R11: Highly Flammable R12: Extremely Flammable R36: Irritating to eyes R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
Training advice	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 indicated in Section 1 without first contacting the supplier and obtaining written handling instructions.
Recommended use restrictions	Keep out of reach of children. Contact Zinsser UK Ltd. for specific enquiries regarding the safe use and handling.
Further information	Key STEL: Short term exposure limit. TLV: Threshold limit value ACGIH: American Conference of Governmental Industrial Hygienists mg/m ³ or mgm ⁻³ : Milligram's per cubic metre N/A: Not Applicable N/D: Not Determined. ppm: Parts per million. PEL: Permissible exposure limits TWA: Time weighted average. OEL: EH40/Occupational Exposure limits 2002 MAK: Maximale Arbeitsplatzkonzentrationen - Germany

Zinsser Direct, Carver Building, Littles Lane, Wolverhampton WV11JY
01902 712286, www.zinsserdirect.co.uk, sales@zinsserdirect.co.uk