



SAFETY DATA SHEET Zinsser B-I-N® Primer Sealer

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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| PRODUCT NAME | Zinsser B-I-N® Primer Sealer |
| PRODUCT NO. | ZN7020001 |
| APPLICATION | A brush-/ roller-/ spray-applied single-component, solvent-borne coating. Intended for use as a primer/coating for stained walls and ceilings. |
| SUPPLIER | William Zinsser (UK) Ltd Portobello Industrial Estate Birtley County Durham England DH3 2RE +44(0)191 4106611 +44(0)191 4920125 enquiries@tor-coatings.com |
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2 HAZARDS IDENTIFICATION

Highly flammable

CLASSIFICATION (1999/45) F;R11.

ENVIRONMENT

The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content % | Classification (67/548/EEC) |
|----------|-----------|---------|-----------|--------------------------------|
| ETHANOL | 200-578-6 | 64-17-5 | 25-50% | F;R11 |
| METHANOL | 200-659-6 | 67-56-1 | 1.0-2.5% | F;R11 T;R23/24/25,R39/23/24/25 |

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

INHALATION

Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

SKIN CONTACT

Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|----------|-----|-------------|---------------|---------------|---------------|-------|
| ETHANOL | WEL | 1000 ppm | 1920 mg/m3 | | | |
| METHANOL | WEL | 200 ppm(Sk) | 266 mg/m3(Sk) | 250 ppm(Sk) | 333 mg/m3(Sk) | |

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

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HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------|---------------------------------------|
| APPEARANCE | Liquid |
| COLOUR | White. |
| ODOUR | Odour of alcohol. |
| SOLUBILITY | Partially miscible with water. |
| RELATIVE DENSITY | 1.22 Approx. @20°C. |
| VAPOUR DENSITY (air=1) | Heavier than air |
| FLASH POINT (°C) | 12°C. CC (Closed cup). |
| FLAMMABILITY LIMIT - LOWER(%) | 3.5 |
| FLAMMABILITY LIMIT - UPPER(%) | 19.0 |
| VOLATILE ORGANIC COMPOUND (VOC) | Cat A/i : <500 g/l (EU Limit 500 g/l) |

10 STABILITY AND REACTIVITY

STABILITY

No particular stability concerns.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION

Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin.

EYE CONTACT

Irritation of eyes and mucous membranes.

| | |
|---------------------------|------------------------|
| Name | METHANOL |
| Toxic Dose 1 - LD 50 | 5600 mg/kg (oral rat) |
| Toxic Conc. - LC 50 | 64000 ppm/4h (inh-rat) |
| Toxicological information | |
| This material is toxic. | |
| Other Health Effects | |
| Carcinogen Category 3. | |
| Name | ETHANOL |
| Toxic Dose 1 - LD 50 | 7060 mg/kg (oral rat) |
| Toxic Conc. - LC 50 | 20000 ppm/4h (inh-rat) |

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be hazardous to the environment.

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Name METHANOL

Ecotoxicity

Not regarded as dangerous for the environment. The product must not be allowed to enter drains or water courses. Dangerous to aquatic life in high concentrations.

LC 50, 96 Hrs, Fish mg/l >10000

EC 50, 48 Hrs, Daphnia, mg/l >10000

Mobility

The product is soluble in water.

Bioaccumulative potential

The product is not bioaccumulating.

Degradability

The product is readily biodegradable.

Name ETHANOL

Ecotoxicity

Not considered dangerous to aquatic organisms. The product must not be allowed to enter drains or water courses.

LC 50, 96 Hrs, Fish mg/l 13000 - 16000

EC 50, 48 Hrs, Daphnia, mg/l 5680 - 7710

Mobility

The product is soluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is readily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

14 TRANSPORT INFORMATION



| | |
|--|-----------------------------|
| PROPER SHIPPING NAME | PAINT |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT | No. |
| UN NO. ROAD | 1263 |
| ADR CLASS NO. | 3 |
| ADR CLASS | Class 3: Flammable liquids. |
| ADR PACK GROUP | III |
| TUNNEL RESTRICTION CODE | (D/E) |
| HAZARD No. (ADR) | 33 |
| ADR LABEL NO. | 3 |
| HAZCHEM CODE | •3YE |
| UN NO. SEA | 1263 |
| IMDG CLASS | 3 |
| IMDG PACK GR. | III |
| EMS | F-E, S-E |
| UN NO. AIR | 1263 |
| AIR CLASS | 3 |
| AIR PACK GR. | III |

15 REGULATORY INFORMATION

Zinsser B-I-N® Primer Sealer

LABELLING



Highly flammable

RISK PHRASES

R11 Highly flammable

SAFETY PHRASES

S2 Keep out of the reach of children.
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
S56 Dispose of this material and its container to hazardous or special waste collection point.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

16 OTHER INFORMATION

INFORMATION SOURCES

Croner's Emergency Spillage Guide Croner's Emergency First Aid Guide Croner's Substances Hazardous to Health

REVISION COMMENTS

Amended in line with HSE requirements.

ISSUED BY

D Charles

REVISION DATE 22/05/2012

REV. NO./REPL. SDS GENERATED 10

SDS NO. 17659

SAFETY DATA SHEET STATUS

Approved.

DATE 22/05/2012

RISK PHRASES IN FULL

R11 Highly flammable

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.