

**Building Solutions**

**Ceramic tile adhesives  
and grouts, waterproofing  
and repair products**

info@constructionchemicals.com.au  
www.constructionchemicals.com.au

**Adelaide**  
49-57 Davis St  
Wingfield SA 5013  
Phone (08) 8243 7888  
Fax (08) 8243 7800

**Brisbane**  
45 Coulson St  
Wacol QLD 4076  
Phone (07) 3271 2944  
Fax (07) 3271 3892

**Darwin**  
4/4 Aristos Pl  
(off Farrell Cres)  
Winnellie NT 0820  
Phone (08) 8947 1811  
Fax (08) 8947 1819

**Melbourne**  
11 Gabrielle Ct  
Bayswater North VIC 3153  
Phone (03) 9761 4711  
Fax (03) 9761 4748

**Perth**  
11 Collie St  
Welshpool WA 6106  
Phone (08) 9356 9999  
Fax (08) 9356 9955

**Sydney**  
31-33 Newton Rd  
Wetherill Park NSW 2164  
Phone (02) 9756 3533  
Fax (02) 9756 3534

**Auckland**  
16 Carpenter Rd  
East Tamaki  
Phone (09) 273 5444  
Fax (09) 273 5442

**Kuala Lumpur**  
Lot 2 Jalan Kecapi  
33/2 Elite Industrial Estate  
Off Jalan Bukit Kemuning  
40000 Shah Alam  
Phone (603) 5122 2522  
Fax (603) 5122 2526

**MATERIAL SAFETY DATA SHEET**

Issued 01/07/2015  
Code: Red

**IDENTIFICATION**

Product Name: **EPESHIELD - PART A**  
UN Number: Free  
Dangerous Goods Class: None Allocated  
Subsidiary Risk Class: Not Listed  
Hazchem Code: None Allocated  
Packaging Group: None Allocated  
Poisons Schedule: 5  
Use: Resin component of an epoxy chemical resistant coating.

**Classified as hazardous according to criteria of Worksafe Australia.**

**Physical Description/Properties**

Appearance: Light amber liquid, medium viscosity, slight odour  
Boiling Point (°C) : No specific data, expected to decompose before boiling  
Vapour Pressure(kPa): 0.06 mm Hg @ 21 °C  
Specific Gravity: 1.16 @ 20°C  
Flash Point(°C): 177 °C  
Flammability Limits: Lower 1.8%, upper 6.9% (diacetone alcohol)  
Solubility in Water: Essentially insoluble

<b>Ingredients</b>	<b>CAS No.</b>	<b>Proportion</b>
Diglycidyl ether of Bisphenol A	25085-99-8	60 - 70 %
Diglycidyl ether of Bisphenol F	28064-14-4	15 - 20 %
Alkyl glycidyl ether	68609-97-2	10 - 15 %

**HEALTH HAZARD INFORMATION**

**Health Effects - Acute**

**Swallowed** - Only very slightly toxic ( oral, Rat LD50) > 5000 mg/kg

**Eye** - This product is irritating to the eyes. Prolonged or repeated contact with eyes may result in long lasting or permanent corneal damage

**Skin** - This product is irritating to the skin and may cause moderate to severe itchiness, blistering or skin reddening. This product is a skin sensitizer..

**Inhaled** - Slightly irritant to susceptible individuals.

**Health Effects - Chronic**

Susceptible individuals may develop allergic reactions such as dermatitis or Asthma like symptoms on a single significant skin exposure or may become sensitized to the material on repeated contact.

**First Aid**

**Swallowed** - Do not induce vomiting. Give a glass of water to drink. Seek medical assistance.

**Eye** - Hold eye open. Flood with water for at least 15 minutes. See a doctor.

**Skin** - Remove contaminated clothing. Wash affected skin areas with soap and water. Do not use solvents. If irritation persists, seek medical attention.

**Inhalation** - Remove to fresh air. If breathing is difficult, give oxygen.

**Advice to Doctors** No specific antidote. Treat symptomatically

**PRECAUTIONS FOR USE**

**Exposure Limits** - TLV : Worksafe 10 mg/m<sup>3</sup>  
STEL : None Established

**Ventilation** - Avoid exceeding exposure limits. Use in well ventilated area.

**Personal Protection** - Avoid prolonged contact with skin and eyes. It is recommended to use protective goggles, protective gloves (PVC/Rubber/Butyl Rubber/Nitrile Rubber) and protective clothing which all comply with relevant Australian Standards. If prolonged exposure is anticipated or susceptible to breathing disorders wear mask conforming to AS 1715, 1716.

**Flammability** - Product is not flammable.

**SAFE HANDLING INFORMATION**

**Storage and Transport** - Not classified as a dangerous good for transport by road or rail according to the Australian Dangerous Goods Code. Not classified as a dangerous good for storage. Keep containers tightly sealed. Store in a cool dry area. No special packaging or labelling requirements for storage or transport. Incompatible DG classes 5.1,5.2

**Spills and Disposal** - In case of spill, wear personal protection as indicated above. Spilt material should be absorbed into dry, inert material (sand), which then can be put into appropriately labelled drums. The waste material can be disposed of by incineration by an approved agent according to local regulations.

**Fire/Explosion Hazard** - Product is **not flammable** and therefore does not need to be handled, used or stored in a flame proofed area. Hazardous decomposition products are not expected.

All information in this data sheet is as accurate and up-to-date as possible. Since Construction Chemicals cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Construction Chemicals will not be responsible for damages of any nature resulting from use of or reliance upon the information.

**Building Solutions**

**Ceramic tile adhesives  
and grouts, waterproofing  
and repair products**

info@constructionchemicals.com.au  
www.constructionchemicals.com.au

**Adelaide**  
49-57 Davis St  
Wingfield SA 5013  
Phone (08) 8243 7888  
Fax (08) 8243 7800

**Brisbane**  
45 Coulson St  
Wacol QLD 4076  
Phone (07) 3271 2944  
Fax (07) 3271 3892

**Darwin**  
4/4 Aristos Pl  
(off Farrell Cres)  
Winnellie NT 0820  
Phone (08) 8947 1811  
Fax (08) 8947 1819

**Melbourne**  
11 Gabrielle Ct  
Bayswater North VIC 3153  
Phone (03) 9761 4711  
Fax (03) 9761 4748

**Perth**  
11 Collie St  
Welshpool WA 6106  
Phone (08) 9356 9999  
Fax (08) 9356 9955

**Sydney**  
31-33 Newton Rd  
Wetherill Park NSW 2164  
Phone (02) 9756 3533  
Fax (02) 9756 3534

**Auckland**  
16 Carpenter Rd  
East Tamaki  
Phone (09) 273 5444  
Fax (09) 273 5442

**Kuala Lumpur**  
Lot 2 Jalan Kecapi  
33/2 Elite Industrial Estate  
Off Jalan Bukit Kemuning  
40000 Shah Alam  
Phone (603) 5122 2522  
Fax (603) 5122 2526

**MATERIAL SAFETY DATA SHEET**

Issued 01/07/2015  
Code: Red

**IDENTIFICATION**

Product Name: **EPESHIELD WHITE - PART B**

UN Number: Free  
Dangerous Goods Class: None Allocated  
Subsidiary Risk Class: Not Listed  
Hazchem Code: None Allocated  
Packaging Group: None Allocated  
Poisons Schedule: 5

Use: Resin component of an epoxy chemical resistant coating.

**Classified as hazardous according to criteria of Worksafe Australia.**

**Physical Description/Properties**

Appearance: White liquid, medium viscosity, slight odour  
Boiling Point (°C): >100 °C  
Vapour Pressure(kPa): 15 mm Hg @ 21 °C  
Specific Gravity: 1.10 @ 20°C  
Flash Point(°C): >100 °C  
Flammability Limits: No Data  
Solubility in Water: Completely

**Ingredients**

	<b>CAS No.</b>	<b>Proportion</b>
Polyamine – Epoxy Resin Adduct	231-791-2	>30 %
Polyamine – Epoxy Resin Adduct Emulsion	7732-18-5	10 - 15 %
Inorganic Pigment		<20%
Water		to 100 %

**HEALTH HAZARD INFORMATION**

**Health Effects – Acute – R41 Risk of serious damage to eyes.  
R22 – Harmful if swallowed.**

**Swallowed** - Toxic ( oral, Rat LD50) > 500 mg/kg

**Eye** – This product causes severe irritation to the eyes. Prolonged or repeated contact with eyes may result in long lasting or permanent corneal damage

**Skin** – This product is irritating to the skin and may cause moderate to severe itchiness, blistering or skin reddening. This product is a skin sensitizer..

**Inhaled** - Slightly irritant to susceptible individuals.

**Health Effects - Chronic**

Susceptible individuals may develop allergic reactions such as dermatitis or Asthma like symptoms on a single significant skin exposure or may become sensitized to the material on repeated contact.

**First Aid**

**Swallowed** – Call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel..

**Eye** - Hold eye open. Flood with water for at least 15 minutes. See a doctor.

**Skin** - Remove contaminated clothing. Wash affected skin areas with soap and water. Do not use solvents. If irritation persists, seek medical attention.

**Inhalation** - Remove to fresh air. If breathing is difficult, give oxygen. Seek medical advice.

**Advice to Doctors** No specific antidote. Treat symptomatically

**Building Solutions**

**Ceramic tile adhesives  
and grouts, waterproofing  
and repair products**

info@constructionchemicals.com.au  
www.constructionchemicals.com.au

**Adelaide**  
49-57 Davis St  
Wingfield SA 5013  
Phone (08) 8243 7888  
Fax (08) 8243 7800

**Brisbane**  
45 Coulson St  
Wacol QLD 4076  
Phone (07) 3271 2944  
Fax (07) 3271 3892

**Darwin**  
4/4 Aristos Pl  
(off Farrell Cres)  
Winnellie NT 0820  
Phone (08) 8947 1811  
Fax (08) 8947 1819

**Melbourne**  
11 Gabrielle Ct  
Bayswater North VIC 3153  
Phone (03) 9761 4711  
Fax (03) 9761 4748

**Perth**  
11 Collie St  
Welshpool WA 6106  
Phone (08) 9356 9999  
Fax (08) 9356 9955

**Sydney**  
31-33 Newton Rd  
Wetherill Park NSW 2164  
Phone (02) 9756 3533  
Fax (02) 9756 3534

**Auckland**  
16 Carpenter Rd  
East Tamaki  
Phone (09) 273 5444  
Fax (09) 273 5442

**Kuala Lumpur**  
Lot 2 Jalan Kecapi  
33/2 Elite Industrial Estate  
Off Jalan Bukit Kemuning  
40000 Shah Alam  
Phone (603) 5122 2522  
Fax (603) 5122 2526

Epeshield White Part B

page 2 of 2

**PRECAUTIONS FOR USE**

**Exposure Limits** - TLV : None Established  
STEL : None Established

**Ventilation** - Avoid breathing vapour.. Use in well ventilated area.

**Personal Protection** - Avoid prolonged contact with skin and eyes. It is recommended to use protective goggles, protective gloves (PVC/Rubber/Butyl Rubber/Nitrile Rubber) and protective clothing which all comply with relevant Australian Standards. If prolonged exposure is anticipated or susceptible to breathing disorders wear mask conforming to AS 1715, 1716.

**Flammability** - Product is not flammable.

**SAFE HANDLING INFORMATION**

**Storage and Transport** - Not classified as a dangerous good for transport by road or rail according to the Australian Dangerous Goods Code. Not classified as a dangerous good for storage. Keep containers tightly sealed. Store in a cool dry area. No special packaging or labelling requirements for storage or transport. Incompatible DG classes 5.1,5.2

**Spills and Disposal** - In case of spill, wear personal protection as indicated above. Spilt material should be absorbed into dry, inert material (sand), which then can be put into appropriately labelled drums. The waste material can be disposed of by incineration by an approved agent according to local regulations.

**Fire/Explosion Hazard** - Product is **not flammable** and therefore does not need to be handled, used or stored in a flame proofed area. Hazardous decomposition products are not expected.

All information in this data sheet is as accurate and up-to-date as possible. Since Construction Chemicals cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Construction Chemicals will not be responsible for damages of any nature resulting from use of or reliance upon the information.