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| Infosafe No™ LPT9D | Issue Date : April 2014 | ISSUED by PARCHEMC |
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Product Name : **FOSROC CONBEXTRA EP935 BASE**

Classified as hazardous

## 1. Identification

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|--|--|
| <b>GHS Product Identifier</b>                                  | FOSROC CONBEXTRA EP935 BASE  |
| <b>Company Name</b>  | Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)   |
| <b>Address</b>   | 7 Lucca Road Wyong<br>NSW 2259 Australia   |
| <b>Telephone/Fax Number</b>                                    | Tel: 02 4350 5000<br>Fax: 02 4351 2024   |
| <b>Emergency phone number</b>                                  | 1800 638 556 (available 24/7)  |
| <b>Recommended use of the chemical and restrictions on use</b> | Base component of epoxy grout.   |
| <b>Other Information</b>                                       | <p>This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.</p> <p>If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.</p> <p>www.parchem.com.au</p> |

## 2. Hazard Identification

|   |  |
|---|--|
| <b>Classification of the substance or mixture</b> | <p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Skin Corrosion/irritation, Category 2<br/>         Serious eye damage/irritation, Category 2<br/>         Skin Sensitiser, Category 1<br/>         Hazardous to the Aquatic Environment - Long-Term Hazard, Category 2</p> |
| <b>Signal Word (s)</b>                            | Warning  |
| <b>Hazard Statement (s)</b>                       | <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>P103 Read label before use.</p>   |
| <b>General Precautionary Statement (s)</b>        |  |
| <b>Pictogram (s)</b>                              | Exclamation mark, Environment  |
|   |    |
| <b>Precautionary statement – Prevention</b>       | <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264 Wash skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>   |
| <b>Precautionary statement – Response</b>         | <p>SKIN</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p>   |

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| <b>Precautionary statement – Disposal</b><br><br><b>Supplemental information</b><br><br><br><b>Other Information</b> | <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention</p> <p>P362 Take off contaminated clothing and wash before re-use.</p> <p>EYE</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: GET medical advice/attention.</p> <p>OTHER</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/container to an approved waste disposal plant.</p> <p>The information under this heading is not mandatory under WHS Regulations. It is provided as information on other GHS hazard classes and categories and/or environmental hazards that are outside the scope of the WHS Regulations.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>This product contain crystalline silica and when using the dry product, or when the wet product dries out, a proportion of this may become airborne as respirable dust.</p> <p>Silica may be released by grinding or machining of cured product. Use approved dust respirator when grinding or machining cured product.</p> |
|--|---|

### 3. Composition/information on ingredients

| Ingredients | Name                                       | CAS        | Proportion |
|-------------|--|------------|------------|
|             | Zircon                                     | 14940-68-2 | 60-80 %    |
|             | Bisphenol A - epichlorohydrin              | 25068-38-6 | 20-40 %    |
|             | C12-C14 Alkyl glycidyl ether               | 68609-97-2 | <10 %      |
|             | Bisphenol F epoxy resin                    | 9003-36-5  | <10 %      |
|             | Crystalline Silica (Quartz)                | 14808-60-7 | <1 %       |
|             | Ingredients determined not to be hazardous |            | Balance    |

### 4. First-aid measures

|                             |  |
|-----------------------------|--|
| <b>Inhalation</b>           | If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.   |
| <b>Ingestion</b>            | Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.  |
| <b>Skin</b>                 | Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.  |
| <b>Eye contact</b>          | If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention. |
| <b>First Aid Facilities</b> | Eye wash, safety shower and normal washroom facilities.  |
| <b>Advice to Doctor</b>     | Treat symptomatically.   |
| <b>Other Information</b>    | For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.  |

### 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Suitable extinguishing media</b>               | Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.   |
| <b>Unsuitable Extinguishing Media</b>             | Do not use water jet.  |
| <b>Hazards from Combustion Products</b>           | Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide, aldehydes and other products of incomplete combustion. Hazardous dusts (crystalline silica) may also be produced. |
| <b>Specific hazards arising from the chemical</b> | Combustible liquid. This product will readily burn under fire conditions.  |
| <b>Hazchem Code</b>                               | •3Z  |

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**Decomposition Temp.** >200°C

**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. Handling and storage

**Precautions for Safe Handling** Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for safe storage, including any incompatibilities** Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all State and Federal regulations.

**Storage Regulations** Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

## 8. Exposure controls/personal protection

**Occupational exposure limit values** No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

| Substance           | TWA |                   | STEL |                   | NOTICES |
|---------------------|-----|-------------------|------|-------------------|---------|
|                     | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |         |
| Crystalline silica  | -   | 0.1               | -    | -                 | -       |
| Zirconium compounds | -   | 5                 | -    | 10                | -       |

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

No biological limits allocated.

**Biological Limit Values**

**Appropriate engineering controls**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be

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| <b>Eye Protection</b>  | used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.  |
| <b>Hand Protection</b> | Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. Wear gloves of impervious material such as laminated film. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance. |
| <b>Body Protection</b> | Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.   |

## 9. Physical and chemical properties

|   |                                    |
|---|------------------------------------|
| <b>Appearance</b>                             | Medium viscosity paste.            |
| <b>Colour</b>                                 | Dark                               |
| <b>Odour</b>                                  | Characteristic epoxy odour.        |
| <b>Decomposition Temperature</b>              | >200°C                             |
| <b>Melting Point</b>                          | Not available                      |
| <b>Boiling Point</b>                          | >200°C (Bisphenol A resin)         |
| <b>Solubility in Water</b>                    | Insoluble                          |
| <b>Specific Gravity</b>                       | 2.20 (23°C)                        |
| <b>pH</b>                                     | Not available                      |
| <b>Vapour Pressure</b>                        | Not available                      |
| <b>Vapour Density (Air=1)</b>                 | >1                                 |
| <b>Evaporation Rate</b>                       | Not available                      |
| <b>Odour Threshold</b>                        | Not available                      |
| <b>Viscosity</b>                              | Not available                      |
| <b>Partition Coefficient: n-octanol/water</b> | Not available                      |
| <b>Flash Point</b>                            | >150°C (Pensky Martens Closed Cup) |
| <b>Flammability</b>                           | Combustible liquid                 |
| <b>Auto-Ignition Temperature</b>              | Not available                      |
| <b>Flammable Limits - Lower</b>               | Not available                      |
| <b>Flammable Limits - Upper</b>               | Not available                      |

## 10. Stability and reactivity

|                               |   |
|-------------------------------|---|
| <b>Reactivity</b>             | Reacts with incompatibles.  |
| <b>Chemical Stability</b>     | Stable under normal conditions of storage and handling.                     |
| <b>Conditions to Avoid</b>    | Heat, flames and other ignition sources.                                    |
| <b>Incompatible Materials</b> | Strong oxidising agents, strong acids, strong bases, amines and mercaptans. |

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| <b>Hazardous Decomposition Products</b> | Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide, aldehydes and other products of incomplete combustion. Hazardous dusts (crystalline silica) may also be produced. |
| <b>Hazardous Polymerization</b>         | Hazardous polymerisation may occur if large quantities are mixed with amines or mercaptans.   |

## 11. Toxicological Information

|                                  |   |
|----------------------------------|---|
| <b>Toxicology Information</b>    | No toxicity data are available for this specific product. The available data for the ingredients are as follows:  |
| <b>Acute Toxicity - Oral</b>     | For Bisphenol A - epichlorohydrin:<br>LD50 (Rat): 11,400 mg/kg  |
| <b>Acute Toxicity - Dermal</b>   | For Bisphenol A - epichlorohydrin:<br>LD50 (Rabbit): >20,000 mg/kg  |
| <b>Ingestion</b>                 | Ingestion of this product may irritate the gastric tract causing nausea and vomiting.   |
| <b>Inhalation</b>                | Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.  |
| <b>Skin</b>                      | Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. May cause an allergic skin reaction. |
| <b>Eye</b>                       | Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.   |
| <b>Respiratory sensitisation</b> | Not expected to be a respiratory sensitiser.  |
| <b>Skin Sensitisation</b>        | May cause an allergic skin reaction.  |
| <b>Germ cell mutagenicity</b>    | Not considered to be a mutagenic hazard.  |
| <b>Carcinogenicity</b>           | Not considered to be a carcinogenic hazard.   |
| <b>Reproductive Toxicity</b>     | Respirable crystalline silica is classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1) .<br>Not considered to be toxic to reproduction.  |
| <b>STOT-single exposure</b>      | Not expected to cause damage to organs.   |
| <b>STOT-repeated exposure</b>    | Not expected to cause damage to organs through repeated or prolonged exposure.  |
| <b>Aspiration Hazard</b>         | Not expected to be an aspiration hazard.  |

## 12. Ecological information

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | Toxic to aquatic life with long lasting effects.                  |
| <b>Persistence and degradability</b> | Not available   |
| <b>Mobility</b>                      | Not available   |
| <b>Bioaccumulative Potential</b>     | Not available   |
| <b>Environmental Protection</b>      | Do not discharge this material into waterways, drains and sewers. |

## 13. Disposal considerations

|                                |  |
|--------------------------------|--|
| <b>Disposal Considerations</b> | Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. |
|--------------------------------|--|

## 14. Transport information

|                              |  |
|------------------------------|--|
| <b>Transport Information</b> | Road and Rail Transport:<br>This material is classified as a Class 9 (Miscellaneous Dangerous Goods) dangerous Goods according to The Australian Code for the Transport of |
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Dangerous Goods by Road and Rail (7th edition).  
 Class 9 Dangerous Goods are incompatible in a placard load with any of the following:  
 - Class 1, Explosives (when the class 9 substance is a fire risk substance),  
 - Division 5.1, Oxidizing agents (when the class 9 substance is a fire risk substance), and  
 - Division 5.2, Organic peroxides (when the class 9 substance is a fire risk substance).  
 Note: Special Provision AU01  
 Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:  
 a) packagings;  
 b) IBCs; or  
 c) any other receptacle not exceeding 500 Kg(L).

Marine Transport (IMO/IMDG):  
 Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.  
 UN No.: 3082  
 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Contains Bisphenol A Epichlorohydrin)  
 DG Class: 9  
 Packaging Group: III  
 EMS No.: F-A, S-F  
 Special provisions: 274, 335

Air Transport (ICAO/IATA):  
 Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.  
 UN No: 3082  
 Proper Shipping Name: : Environmentally hazardous substance, liquid, n.o.s.  
 (Contains Bisphenol A Epichlorohydrin)  
 Class: 9  
 Packing Group: III  
 Label: Miscellaneous  
 Packing Instruction: 964 (For passenger and cargo aircraft)  
 Packing Instruction: 964 (For cargo aircraft only)  
 Special provisions: A97, A158  
 3082

|                                   |  |
|-----------------------------------|--|
| <b>U.N. Number</b>                | 3082   |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Contains Bisphenol A Epichlorohydrin) |
| <b>Transport hazard class(es)</b> | 9  |
| <b>Hazchem Code</b>               | •3Z  |
| <b>Packing Group</b>              | III  |
| <b>EPG Number</b>                 | 9C1  |
| <b>IERG Number</b>                | 47   |
| <b>IMDG Marine pollutant</b>      | Yes  |

## 15. Regulatory information

|                               |  |
|-------------------------------|--|
| <b>Regulatory Information</b> | Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. |
| <b>Poisons Schedule</b>       | Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).<br>S5  |
| <b>AICS (Australia)</b>       | All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.   |

## 16. Other Information

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**Date of preparation or last revision of SDS** SDS Reviewed: April 2014  
Supersedes: August 2004, June 2009

**Literature References** Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons.  
Australian Code for the Transport of Dangerous Goods by Road & Rail.  
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.  
Workplace exposure standards for airborne contaminants, Safe work Australia.  
American Conference of Industrial Hygienists (ACGIH).  
Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point** Technical Support: 1800 812 864  
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