

# SAFETY DATA SHEET

Product Name: BSE 32 OIL

Revision Date: January 2020

**Not classified as hazardous according to criteria of WHS and GHS regulations**

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## SECTION 1 PRODUCT/SUBSTANCE AND COMPANY IDENTIFICATION

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Product Name: BSE 32 OIL

Product Description: Polyol Ester

Product Code: 1186769 Ester

Intended use: Synthetic refrigeration compressor oil

Company Name: CPI Corporation Pty Ltd

Address: 148 Old Pittwater Road, Brookvale NSW 2100, Australia

Telephone: (02) 9939 9988

**Emergency telephone number:** For transport emergency call CHEMTREC (+1) 703 527 3887 or within Australia (02) 9037 2994

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## SECTION 2 HAZARD(S) IDENTIFICATION

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GHS classification of substance or mixture, and national or regional information: Not classified

|                           |                           |                |
|---------------------------|---------------------------|----------------|
| <b>GHS label elements</b> | Hazard Symbol(s):         | No symbol      |
|                           | Signal Word:              | Not applicable |
|                           | Hazard Statements:        | Not applicable |
|                           | Precautionary Statements: | Not applicable |

Other hazards which do not result in GHS classification: None

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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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Composition: Polyol esters

General Information: The components are not hazardous or below required disclosure limits.

CAS#: Proprietary and not required.

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## SECTION 4 FIRST AID MEASURES

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**INHALATION** Remove from further exposure and remove the source of contamination. Move the victim to fresh air and ensure airways are clear and use adequate respiratory protection or facemask if there is any breathing difficulty. If oil mist is inhaled, remove to fresh air and seek medical attention. If respiratory irritation, nausea, or unconsciousness occurs, seek immediate medical assistance.

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**SKIN CONTACT** Prolonged exposure may irritate the skin. Remove any contaminated clothing. Wash exposed skin and contact areas with soap and water gently. If product gets under the skin seek immediate medical attention from a physician.

**INGESTION** Seek medical attention and do not induce vomiting. Immediately wash out mouth with clean water.

**EYE CONTACT** Wash thoroughly with clean water if contact with the eye occurs. If irritation and soreness develops or persists, seek medical attention.

**Advice to Physician** Treat symptomatically.

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## SECTION 5 FIRE FIGHTING MEASURES

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**EXTINGUISHING MEDIA** DO NOT use water jet. Appropriate media includes carbon dioxide, foam, or dry chemical to extinguish flames. Water fog may be used to cool exposed containers.

**FIRE FIGHTING TECHNIQUES** Burning product or fluid may evolve irritating/noxious fumes. Evacuate area as soon as possible. Firefighters should use protective clothing / equipment and approved self-contained breathing apparatus (SCBA). Smoke, fumes, nitrogen and sulphur oxides, and carbon / inorganic products from incomplete combustion may be present. Water spray may be used to cool fire exposed surfaces and protect personnel.

### FLAMMABILITY PROPERTIES

**Flash Point (Open Cup):** 240<sup>0</sup> C ASTM D 92 (Typical)

**Flammability Limits:** No data available

**Autoignition Temperature:** No data available

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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**SPILL MANAGEMENT** Wear suitable protective equipment, especially goggles. Stop source of leak or spill if you can do so without risk.

In the case of small spills, use inert absorbent material (eg. sand, sawdust or diatomaceous earth) to soak up the spilled product. Dispose of absorbent material in accordance with state or local regulations. Wash spill area with large amounts of water and detergent.

With larger spills, dike the spill area for containment and recovery if possible. Place inert absorbent material onto the spillage. Prevent spill entering drains, waterways, sewers, rivers, basements etc. If large quantities of this material enter the waterways contact the Environmental Protection Authority.

**NOTIFICATION PROCEDURES** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable local, state and national regulations.

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**SECTION 7 HANDLING AND STORAGE**

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**HANDLING** Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin, wash with sufficient amounts of water and soap. Flush eyes with water for 15 minutes and seek medical attention. Wash contaminated clothing or dispose appropriately.

Repeated or prolonged contact with this material should be avoided in order to reduce the possibility of skin disorders. Observe good personal hygiene. Good ventilation is recommended and avoid build up of oil mist in the working area.

Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue in the container may ignite if exposed to heat. Do not expose container to open flame or excess heat. Always keep container closed and caps in place.

**STORAGE** This product is hygroscopic and storage under dry nitrogen is recommended. Keep container tightly sealed when not in use. Store in a cool, dry, well-ventilated area, out of direct sunlight. Keep away from open flames and other ignition sources. For safe storage refer to Australian Standards AS1940.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE LIMITS** No value assigned for this specific material by the GHS / WHS. However, the threshold limit value (Exposure Standards) for oil mist is listed as 5mg/m

**ENGINEERING CONTROLS** Use in a well ventilated area. Where vapours or oil mists are generated and exposure standards are exceeded, the use of personal respiratory protection equipment or an adequate exhaust ventilation system is recommended.

**RESPIRATORY PROTECTION** If engineering controls are still inadequate, the use of an approved respirator with organic vapour / particulate filter complying with AS/NZS 1715 (Selection, Use and Maintenance of Respiratory Protective Devices) and AS/NZS 1716 (Respiratory Protective Devices) is recommended. The selection of type of breathing protection should be based on expert advice. Reference should be made to the relevant Australian Standards.

In the case of high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode.

**HAND PROTECTION** Protective gloves is normally not required, but impervious gloves such as nitrile, viton or neoprene is recommended if required. Contact the glove manufacturer for specific advice on glove selection. Inspect and replace worn or damaged gloves.

**EYE PROTECTION** Goggles or safety glasses with side shields are recommended.

**BODY AND SKIN PROTECTION** No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact. If required, use a chemical resistance apron to avoid contact of material with skin.

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**PERSONAL HYGIENE MEASURES** Always observe good personal hygiene measures. Dispose contaminated clothing and footwear that cannot be cleaned. Always practise good housekeeping.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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**PHYSICAL STATE** Liquid**COLOUR** Clear amber to light yellow**BOILING POINT** No data available**FREEZING POINT** No data available**ODOUR** Mild**SOLUBILITY IN WATER** Insoluble**pH VALUE** No data available**SPECIFIC GRAVITY (WATER=1)** 0.94-0.96 @ 20°C**FLASH POINT (Open Cup)** 240° C ASTM D 92 (Typical)**FLAMMABLE LIMITS** LEL / UEL No data available**AUTOIGNITION TEMPERATURE** No data available**FLAMMABILITY** Combustible Class C2 liquid (AS 1940). Remove all sources of heat and ignition.**VAPOUR PRESSURE** No data available**EVAPORATION RATE** No data available**VOLATILES (percent by volume)** No data available**OXIDIZING PROPERTIES** No data available

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**SECTION 10 STABILITY AND REACTIVITY**

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**STABILITY** Stable under normal conditions of storage and handling**HAZARDOUS POLYMERIZATION** Will not occur**MATERIALS TO AVOID** Do not expose to excessive heat, ignition sources or oxidizing materials**CONDITIONS TO AVOID** Excessive heat or sources of ignition**EXPLOSIVE DATA** Material does not have explosive properties

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**HAZARDOUS DECOMPOSITION PRODUCTS** Material does not decompose at ambient temperatures. Analogous compounds evolve carbon monoxide, carbon dioxide, and other unidentified products and fragments when burned.

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## SECTION 11 TOXICOLOGICAL INFORMATION

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**TOXICOLOGY INFORMATION** This product contains synthetic base oils that through process conditions, chemical analysis and results of mutagenicity all support these oils should not cause skin cancer.

**INHALATION** May cause irritation to the mucous membrane and upper airways, especially if the material is heated or mists are generated and/or is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea.

**INGESTION** May cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting and diarrhoea.

**SKIN** Unlikely to irritate on brief contact. Repeated or prolonged contact may dry and defat skin, resulting in skin irritation and possible dermatitis.

**EYE** May cause slight to moderate transient eye irritation, resulting in redness, stinging and lachrymation.

**CHRONIC EFFECTS** Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

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## SECTION 12 ECOLOGICAL INFORMATION

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**ENVIRONMENT PROTECTION** This information is based on data available for the material, the components of the material, and similar materials. Prevent this material from entering the environment.

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## SECTION 13 DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL** Disposal of waste must be in accordance with state, local, EPA and national current applicable laws and regulations.

**DISPOSAL RECOMMENDATIONS** Incinerate this material and all associated wastes in an enclosed burner in a licensed facility. Empty containers may contain residue and can be dangerous. Empty drums should be safely stored until taken for recycling, recovery, or disposal in accordance with government regulations. Do not pressurise, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. This may result in an explosion and cause injury or death.

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**SECTION 14 TRANSPORT INFORMATION**

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This material is not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail and IATA/ICAO, IMDG..

**U.N. NUMBER** None allocated

**PROPER SHIPPING NAME** None allocated

**DG CLASS** None allocated

**HAZCHEM CODE** None allocated

**PACKING GROUP** None allocated

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**SECTION 15 REGULATORY INFORMATION**

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Material is not hazardous as defined by the Approved Criteria for Classifying Hazardous Substances NOHSC:1008 and WHS Regulations.

Product is not regulated according to Australian Dangerous Goods Code.

**POISONS SCHEDULE** No Poison Schedule number allocated by the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) established under the Therapeutic Goods Act.

Complies with the following national/regional chemical inventory requirements: AICS, IECSC, DSL, EINECS, ENCS, KECI, PICCS, TSCA. The product contains no known carcinogens.

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**SECTION 16 OTHER INFORMATION**

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The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. The information and recommendations are offered for the user's consideration and examination. All reasonable care has been taken to ensure that the information and advice contained herein are accurate at the time of printing. However, CPI Corporation accepts no tortuous or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedure should be provided to handlers and users. Alteration of this document is strictly prohibited.

----- END OF MSDS -----

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