

Material Safety Data Sheet

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CLEAREGE EP 690

Infosafe™ CAS4N **Issue Date** March 2013 **Status** ISSUED by **BS:**
No. CASTROLT 1.15.1

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name CLEAREGE EP 690

Product Code 456845-AU07

Company Name BP AUSTRALIA PTY LTD (ABN 53 004 085 616)

Address 717 Bourke Street Docklands
VIC 3008

Emergency Tel. +61 2801 44558 (or 1800 14 14 74 within Australia)

Telephone/Fax Number Tel: +61 (03) 9268 4111
Fax: +61 (03) 9268 3321

Recommended Use Metalworking fluid - soluble.
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

Other Names Not Available

Additional Information OTHER PRODUCT INFORMATION: Technical Help Line 1 300 557 998 (Local Call)

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Risk Phrase(s) R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 R43 May cause sensitization by skin contact.
 R64 May cause harm to breastfed babies.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s) S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 After contact with skin, wash immediately with plenty of soap and water.
 S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical

Characterization Liquid

Information on Composition Highly refined base oil (IP 346 DMSO extract < 3%).
 Proprietary performance additives.

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

Ingredients	Name	CAS	Proportion
	C14-17 chlorinated paraffin	61788-76-9 / 85535-85-9	10-20 %
	Sodium sulphonate	68608-26-4	5-10 %
	Alkali metal salts of carboxylic acids	Not available.	1-5 %
	Fatty acid alkanolamide	68603-38-3	1-5 %
	N,N'-Methylenebismorpholine	5625-90-1	1-5 %
	Amine neutralised carboxylic acids	Not available	1-5 %
	Isotridecanol	27458-92-0	1-5 %
	Polyalkylene glycol	9003-13-8	1-5 %
	3-IODO-2-PROPYNYL BUTYLCARBAMATE	55406-53-6	0.1-1 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms appear. In case of inhalation of decomposition

products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention if symptoms occur. Wash out mouth with water if person is conscious.
Skin	Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention. In the event of any complaints or symptoms, avoid further exposure.
Eye	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician. Get medical attention immediately.
Advice to Doctor	Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	In case of fire, use water fog, alcohol resistant foam, dry chemical or carbon dioxide extinguisher or spray.
Hazards from Combustion Products	Decomposition products may include the following materials: Carbon dioxide Carbon monoxide Nitrogen oxides Sulfur oxides Halogenated compounds Metal oxide/oxides
Special Protective Equipment for fire fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Specific Methods	Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. This material is very toxic to aquatic organisms. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
Specific Hazards	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazchem Code	•3Z

**Unsuitable
Extinguishing
Media**

Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

**Personal
Precautions** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8 (Exposure Controls/Personal Protection)).

**Clean-up
Methods - Small
Spillages** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Clean-up
Methods - Large
Spillages** Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

**Environmental
Precautions** Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

7. HANDLING AND STORAGE

**Precautions for
Safe Handling** Put on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure while nursing. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid contact of spilt material and runoff with soil and surface waterways. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Empty containers retain product residue and can be hazardous. During metal working, solid particles from workpieces or tools will contaminate the fluid and may cause abrasions of the skin. Where such abrasions result in a penetration of the skin, first aid treatment should be

applied as soon as reasonably possible. The presence of certain metals in the workpiece or tool, such as chromium, cobalt and nickel, can contaminate the metalworking fluid and as a result may induce allergic skin reactions. Avoid prolonged or repeated contact with skin. Evaporation of water from soluble cutting fluids during use may lead to an increase in concentration which may result in the development of skin conditions due to irritation and defatting. It is important to monitor fluid strength on a regular basis with a refractometer and maintain it at the recommended concentration. Lubricants from other sources and other contaminants should be minimised. Swarf and other debris should be removed. To maintain optimum performance and minimise bacterial spoilage, machine tool coolant systems should be cleaned on a regular basis.

Conditions for Safe Storage	Keep away from heat and direct sunlight. Protect from freezing. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10 (Stability and Reactivity)). Use appropriate containment to avoid environmental contamination.
Other Information	Combustibility Classification: Combustible liquid Class C1 (AS 1940).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	<p>Ingredient name Occupational exposure limits</p> <p>Base oil - unspecified Safe Work Australia (Australia). TWA: 5 mg/m³ 8 hours. Form: Oil mist, mineral Triethanolamine Safe Work Australia (Australia). Skin sensitiser. TWA: 5 mg/m³ 8 hours. Issued/Revised: 4/1997</p> <p>Whilst specific OELs for certain components are included in this SDS, it should be noted that other components of the preparation will be present in any mist, vapour or dust produced. For this reason, the specific OELs may not be applicable to the product and are provided for guidance purposes.</p>
Biological Limit Values	No biological limit allocated.
Engineering Controls	<p>Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.</p> <p>All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated.</p> <p>Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition</p>

and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Respiratory Protection Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure level.

Eye Protection Do not get in eyes. Chemical splash goggles.

Hand Protection Wear protective gloves if prolonged or repeated contact is likely. Chemical-resistant gloves.
Recommended: Nitrile gloves.
The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Body Protection Do not get on skin or clothing. Wear suitable protective clothing.

Hygiene Measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid

Odour Not available.

Melting Point Not available.

Boiling Point Not available.

Solubility in Water Soluble in water.

Specific Not available.

Gravity

pH Value Not available.

Vapour Pressure Not available.

Vapour Density (Air=1) Not available.

Colour Amber.

Density 972 kg/m³ (0.972 g/cm³) at 15°C

Flash Point >100 °C (Closed cup) Pensky-Martens.

10. STABILITY AND REACTIVITY

Chemical Stability The product is stable.

Conditions to Avoid Avoid extreme temperatures, strong oxidizers, fire.

Incompatible Materials Reactive or incompatible with the following materials: oxidising materials.

Hazardous Decomposition Products Decomposition products may include the following materials:
Carbon dioxide
Carbon monoxide
Nitrogen oxides
Sulfur oxides
Halogenated compounds
Metal oxide/oxides

11. TOXICOLOGICAL INFORMATION

Inhalation No significant health hazards identified.

Ingestion No significant health hazards identified.

Skin Causes skin irritation. May cause severe allergic skin reaction Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

Eye Causes severe eye irritation.

Mutagenicity No known significant effects or critical hazards.

Carcinogenicity No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC), the European Commission (EC), or the National Occupational Health and Safety Commission (Australia).

12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence / Degradability	The biodegradability of this material has not been determined.
Mobility	Liquid. Partially soluble in water.

13. DISPOSAL CONSIDERATIONS

Waste Disposal The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Special precautions for landfill or incineration

No additional special precautions identified.

14. TRANSPORT INFORMATION

Transport Information

International transport regulations:
Regulatory information: ADG Classification
UN number: UN3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C14-17 chlorinated paraffin)
Class: 9
PG*: III
Additional information: Hazchem code: .3Z
Initial emergency response guide: 47
Remarks:
Not regulated when transported by road or rail in packages less than 500 kg(L).
Environmentally hazardous substance mark.

Regulatory information: IMDG Classification
UN number: UN3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.. Marine pollutant (C14-17 chlorinated paraffin)

Class: 9
PG*: III
Additional information: Emergency schedules (EmS): F-A, S-F

Regulatory information: IATA/ICAO Classification
UN number: UN3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (C14-17 chlorinated paraffin)
Class: 9
PG*: III
Additional information: Remarks:
Environmentally hazardous substance mark.

PG*: Packing group

Special precautions for user: No known special precautions
required. See Section: 'Handling and storage' for
additional information.

U.N. Number 3082

Proper Shipping

Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

DG Class 9

Hazchem Code •3Z

Packing Group III

EPG Number 9C1

IERG Number 47

15. REGULATORY INFORMATION

**Regulatory
Information**

Industrial Products - Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with NOSHC National Code of Practice for labelling of workplace substances.

Control of Scheduled Carcinogenic Substances:
Ingredient name Schedule
No Listed Substance

Other regulations:

REACH Status: For the REACH status of this product please consult your company contact, as identified in Section 1 (Identification of the Substance/Preparation and Company/Undertaking).

United States inventory (TSCA 8b): At least one component is not listed.

Canada inventory: At least one component is not listed.

China inventory (IECSC): All components are listed or exempted.

Japan inventory (ENCS): All components are listed or exempted.

Korea inventory (KECI): All components are listed or

exempted.

**Poisons
Schedule** Not Scheduled

Hazard Category Harmful, Irritant, Dangerous for the environment

**AICS
(Australia)** All components are listed or exempted.

**PICCS
(Philippines)** At least one component is not listed.

16. OTHER INFORMATION

**Date of
preparation or
last revision
of MSDS** Date of issue: 15/03/2013.
Date of previous issue: 03/03/2011.
Prepared by: Product Stewardship

**Other
Information** SDS no.: 456845

Version 5

Key to abbreviations:

AMP = Acceptable Maximum Peak

ACGIH = American Conference of Governmental Industrial Hygienists, an agency that promulgates exposure standards.
ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail

ADG Code = Australian Code for the Transport of Dangerous Goods by Road and Rail

CAS Number = Chemical Abstracts Service Registry Number

HAZCHEM Code = Emergency action code of numbers and letters which gives information to emergency services. Its use is required by the ADG Code for Dangerous Goods in bulk.

ICAO = International Civil Aviation Organization.

IATA = International Air Transport Association, the organization promulgating rules governing shipment of goods by air.

IMDG = International Maritime Organization Rules, rules governing shipment of goods by water.

IP 346 = A chemical screening assay for dermal toxicity. The European Commission has recommended that Method IP 346 be used as the basis for labelling certain lubricant oil base stocks for carcinogenicity. The EU Commission has stipulated that the classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. (See Note L, European Commission Directive 67/548/EEC as amended and adapted.) DMSO is a solvent.

NOHSC = National Occupational Health & Safety Commission, Australia

TWA = Time weighted average

STEL = Short term exposure limit

UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.

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End of MSDS

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Print Date: 17/01/2014

BS: 1.15.1