

Infosafe No™ LQ2TY

Issue Date : December 2013

ISSUED by PARCHEMN

Product Name : EMER-SEAL 200 BASE

1. Identification

GHS Product Identifier EMER-SEAL 200 BASE

Company Name Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)

Address 7 Lucca Road Wyong
NSW 2259 Australia

Telephone/Fax Number Tel: 02 4350 5000
Fax: 02 4351 2024

Emergency phone number 0800 154 666 (available 24/7)

Recommended use of the chemical and restrictions on use Base component of two-part polyurethane sealant.

Other Information Distributed in New Zealand by:
Concrete Plus
23 Watts Road
Sockburn
New Zealand
Tel: (03) 343 0090
Fax: (03) 343 0202

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.

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.

www.parchem.co.nz

2. Hazard Identification

Classification of the substance or mixture New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

HSNO Classification:

6.3B - Substance that is mildly irritating to the skin

6.8A - Substance that is known or presumed to be a human reproductive or developmental toxicant

9.1B - Substance that is ecotoxic in the aquatic environment

Signal Word (s) Danger

Hazard Statement (s) H316 Causes mild skin irritation.
H360 May damage fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.

Pictogram (s) Environment, Health hazard



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Precautionary statement – Prevention
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.

Precautionary statement – Response
GENERAL
P308+P313 IF exposed or concerned: Get medical advice/ attention.
SKIN
P332+P313 If skin irritation occurs: Get medical advice/ attention.
OTHER
P391 Collect spillage.
P405 Store locked up.

Precautionary statement – Storage

Precautionary statement – Disposal
P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Calcium carbonate	1317-65-3	30-60 %
	Butyl benzyl phthalate	85-68-7	10-<25 %
	Amorphous silica	7631-86-9	<10 %
	Titanium dioxide	13463-67-7	<10 %
	Fumed silica	112945-52-5	<10 %
	Nonylphenol	25154-52-3	<1 %
	Dibutyl phthalate	84-74-2	<1 %
	Carbon black	1333-86-4	<0.1 %
	Ingredients determined not to be hazardous		Balance

4. First-aid measures

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

Skin Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.

Unsuitable Extinguishing Media Do not use water jet.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide and hydrocarbons.

Specific hazards arising from the chemical Combustible liquid. This product will burn if exposed to fire.

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Hazchem Code •3Z

Decomposition Temp. Not available

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers. If safe to do so, remove containers from path of fire.

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 sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. 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 applicable local and national regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Carbon black	-	3	-	-	6.7B
Dibutyl Phthalate	-	5	-	-	-
Silica	-	10	-	-	-
Titanium dioxide	-	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.

6.7B: Suspected carcinogen

No biological limit allocated.

Biological Limit Values

Appropriate engineering controls Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

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Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour/mist filter should be 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.
Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material e.g. 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.
Body Protection	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

Appearance	Thixotropic paste
Colour	Grey
Odour	Sulfide
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	240°C at 13 hPa (for Butyl benzyl phthalate)
Solubility in Water	Insoluble
Solubility in Organic Solvents	Not available
Specific Gravity	1.57 at 23°C
pH	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	>1
Evaporation Rate	<1 (Butyl acetate=1)
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	199°C (PMCC) (for Butyl benzyl phthalate)
Flammability	Combustible liquid
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. Stability and reactivity

Reactivity	Refer to Sec 10: Possibility of hazardous reactions.
Chemical Stability	Stable under normal conditions of storage and handling.

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Product Name : **EMER-SEAL 200 BASE**

Conditions to Avoid	Heat, open flames and other sources of ignition.
Incompatible Materials	Oxidising agents, acids, bases, epoxy curing agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including hydrocarbons, carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will react with incompatible materials.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data are available for this specific product. The available data for the ingredients are given below.
Acute Toxicity - Oral	For Butyl benzyl phthalate: LD50 (Rat): 2,330 mg/kg LD50 (Mouse): 4,170 mg/kg
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Skin	Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard. Silica and Benzyl Butyl Phthalate are listed as Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC). Carbon black and Titanium dioxide are listed as Group 2B: Possibly carcinogenic to humans according to IARC.
Reproductive Toxicity	May damage fertility or the unborn child. Classified as a Known or presumed human reproductive or developmental toxicant.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.
Chronic Effects	Chronic administration of butyl benzyl phthalate at high doses in test rats has caused adverse effects on fertility. Effects seen in adult rats include decreased success in reproductive outcomes and testicular changes in the male rats. Younger animals may be more susceptible to butyl benzyl phthalate with adverse effects on the testes appearing at lower doses than for older animals. Recent studies in test animals suggest that butyl benzyl phthalate may have adverse effects on the unborn child when the mother is exposed during pregnancy. Effects have occurred in the male offspring with the target system been the genital system.

12. Ecological information

Ecotoxicity	Toxic to aquatic life with long lasting effects.
Persistence and degradability	Butyl benzyl phthalate is degraded under aerobic and anaerobic conditions. It is readily degraded in water and in sediment with a half-life of less than 2 days.

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Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.
Acute Toxicity - Fish	For Butyl benzyl phthalate: LC50 (Trout): 1.1 mg/L/96h LC50 (Fathead minnow): 1.7 mg/L/96h
Acute Toxicity - Daphnia	For Butyl benzyl phthalate: LC50 (Daphnia magna): 1.7 mg/L/48h

13. Disposal considerations

Disposal Considerations	<p>Product Disposal: Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.</p> <p>Container Disposal: The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.</p>
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14. Transport information

Transport Information	<p>Road and Rail: New Zealand: This material is classified as a Class 9 - Miscellaneous Substances according to NZS 5433:2012 Transport of Dangerous Goods on Land. Must not be loaded in the same freight container or on the same vehicle with: - Class 1, Explosives Class 9 dangerous goods that contain organic matter must not be loaded in the same bulk container or tankwagon with dangerous goods of Division 5.1 unless the Class 9 and Division 5.1 dangerous goods are in separate compartments of a bulk container or tankwagon. Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices. Segregation devices may be used to segregate Dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of Class 3, 4, 5, 6 or 8 or from food items.</p> <p>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.</p>
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(CONTAINS BUTYL BENZYL PHTHALATE)
 DG Class: 9
 Packaging Group: III
 EMS: 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 BUTYL BENZYL PHTHALATE)
 DG Class: 9
 Packaging Group: III
 Packing Instruction: 964 (For passenger and cargo aircraft)
 Packing Instruction: 964 (For cargo aircraft only)
 Special Provisions: A97, A158
 3082

U.N. Number

UN proper shipping name

Transport hazard class(es)

Hazchem Code

Packing Group

EPG Number

IERG Number

IMDG Marine pollutant

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (CONTAINS BUTYL BENZYL PHTHALATE)
 9
 •3Z
 III
 9C1
 47
 Yes

15. Regulatory information

National and or International Regulatory Information

New Zealand:
 Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
 All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.
 Group Standard:
 Construction Products (Subsidiary Hazard) Group Standard 2006
 HSR002544

HSNO Approval Number

16. Other Information

Date of preparation or last revision of SDS

SDS Created: December 2013

Literature References

New Zealand:
 Workplace Exposure Standards and Biological Exposure Indices , Department of Labour, Health & Safety.
 Transport of Dangerous goods on land NZS 5433.
 Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).
 Assigning a hazardous substance to a group standard.
 American Conference of Industrial Hygienists (ACGIH).

Contact Person/Point

Technical Support: 1800 812 864

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