

Infosafe No™ LQ34M Issue Date : February 2014 ISSUED by PARCHEMN

Product Name : FOSROC ADHESIVE A901

Classified as hazardous

1. Identification

GHS Product Identifier FOSROC ADHESIVE A901

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 A contact adhesive for bonding laminated plastics, polyurethane foams, rubber, leather, timber and metal surfaces to a variety of substrates.

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 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:

3.1B - Flammable liquid: high hazard
6.1E (Oral) - Substance that is acutely toxic
6.3A - Substance that is irritating to the skin
6.4A - Substance that is irritating to the eyes
6.5B - Substance that is a contact sensitiser
6.8B - Substance that is suspected to be a human reproductive or developmental toxicant
6.8C - Substance that produces toxic human reproductive or developmental effects on or via lactation
6.9B (Repeated exposure) - Substance that is harmful to human target organs or systems
9.1B - Substance that is ecotoxic in the aquatic environment
9.3C - Substance that is harmful to terrestrial vertebrates

Signal Word (s) Danger

Hazard Statement (s) H225 Highly flammable liquid and vapour.
H303 May be harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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H361 Suspected of damaging fertility or the unborn child.
 H362 May cause harm to breast-fed children.
 H373 May cause damage to organs through prolonged or repeated exposure by ingestion or inhalation.
 H411 Toxic to aquatic life with long lasting effects.
 H433 Harmful to terrestrial vertebrates.
 Flame, Health hazard, Exclamation mark, Environment

Pictogram (s)



Precautionary statement – Prevention

P102 Keep out of reach of children.
 P103 Read label before use.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe fume/gas/mist/vapours/spray.
 P263 Avoid contact during pregnancy/while nursing.
 P264 Wash hands and skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.

Precautionary statement – Response

P280 Wear protective gloves/eye protection/face protection.
 P101 If medical advice is needed, have product container or label at hand.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 P314 Get medical advice/attention if you feel unwell.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P331 Do NOT induce vomiting.
 P370+P378 In case of fire: Use dry chemical, foam or carbon dioxide for extinction.

Precautionary statement – Storage

P391 Collect spillage.
 P405 Store locked up.
 P403+P235 Store in a well-ventilated place. Keep cool.

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
	Toluene	108-88-3	30-<50 %
	Rosin	8050-09-7	10-30 %
	Naphtha (petroleum), hydrotreated light	64742-49-0	10-30 %
	Acetone	67-64-1	10-<25 %
	Zinc oxide	1314-13-2	1-<2.5 %
	Butylated	128-37-0	0-<1 %
	Hydroxytoluene		

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Ingredients	Name	CAS	Proportion
	Other ingredients determined not to be hazardous		Balance

4. First-aid measures

Inhalation	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate 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. Seek medical attention.
First Aid Facilities	Eye wash station, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

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 including oxides of nitrogen, carbon monoxide and carbon dioxide.
Specific hazards arising from the chemical	Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code	•3YE
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 material. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

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.
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7. Handling and storage

Precautions for Safe Handling	Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product,
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Conditions for safe storage, including any incompatibilities

that is, always wash hands before eating, drinking, smoking or using the toilet facilities. Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, acids, bases, foodstuffs, and out of direct sunlight. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. 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 state and federal 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		NOTES
	ppm	mg/m ³	ppm	mg/m ³	
Acetone	500	1185	1000	2375	-
Toluene	50	188	-	-	-
Zinc oxide fume	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.

Biological Limit Values

Biological Exposure Indices BEI from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure Indices (BEI)
TOLUENE [108-88-3]		
Toluene in urine	End of Shift	0.03 mg/L
Toluene in blood	Prior to last shift of work week	0.02 mg/L
o-Cresol with hydrolysis creatinine in urine	End of Shift	0.3 mg/g

ACETONE [67-64-1]

Acetone in urine	End of shift	50 mg/L
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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. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:2004: Classification of hazardous areas - Examples of area classification - General, 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 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 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.

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Hand Protection	Wear impervious gloves such as laminated film, nitrile or neoprene rubber. 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 workwear, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9. Physical and chemical properties

Appearance	Pigmented translucent liquid.
Odour	Hydrocarbon solvent odour.
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	0.86 (23°C)
pH	Not available
Vapour Pressure	7.3kPa (38°C) (Toluene)
Vapour Density (Air=1)	3.2 (Toluene)
Evaporation Rate	2.4 (n-Butyl acetate=1) (Toluene)
Odour Threshold	Not available
Viscosity	2,500 to 3,200 cP
Partition Coefficient: n-octanol/water	Not available
Flash Point	-17°C (Acetone)
Flammability	Highly flammable liquid.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	1.0% by volume (Toluene)
Flammable Limits - Upper	7.1% by volume (Toluene)

10. Stability and reactivity

Reactivity	Will react with incompatible materials.
Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Oxidising agents, strong acids and alkalis.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data are available for this specific product.
Ingestion	May be harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal

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Inhalation	discomfort, vomiting and diarrhoea. Vapours may cause drowsiness and dizziness. The vapours may be irritating to the respiratory system. The symptoms of inhalation of high concentrations of solvent vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression characterised by headache and dizziness; and increased reaction time, fatigue and loss of coordination. If exposure to highly concentrated solvent vapours is prolonged this may lead to narcosis, unconsciousness, even coma and possible death.
Skin	Causes skin irritation. Skin contact will cause redness, itching and swelling. Prolonged or repeated skin contact may cause defatting leading to drying and cracking of skin, and dermatitis. May cause an allergic skin reaction.
Eye	Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard. Toluene is listed as a Group 3: Not classifiable as to its carcinogenicity to humans according to International Agency for Research on Cancer (IARC).
Reproductive Toxicity	Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant. May cause harm to breast-fed children. Classified as a substance that produces toxic human reproductive or developmental effects on or via lactation.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure by ingestion or inhalation
Aspiration Hazard	Not expected to be an aspiration hazard.
Other Information	Chronic exposure may cause damage to the central nervous system, blood organs, optic nerve, heart, liver and kidneys.

12. Ecological information

Ecotoxicity	Toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	<p>Product Disposal:</p> <p>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 solvent-based, flammable substance and therefore can be sent to an approved high temperature incineration plant for disposal. Large volumes may be re-distilled by solvent recovery contractors. 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.</p> <p>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</p>
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specific group standards.

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.

14. Transport information

Transport Information

This material is classified as Dangerous Goods Class 3 - Flammable Liquid 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
- Division 2.1, Flammable gases
- Division 2.3, Toxic gases
- Division 4.2, Spontaneously combustible substances
- Division 5.1, Oxidising substances
- Division 5.2, Organic peroxides or
- Class 7, Radioactive materials unless specifically exempted.

Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:

- Division 4.3, Dangerous when wet substances

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 with:

- Division 4.2, Spontaneously combustible substances
- Division 4.3, Dangerous when wet substances
- Division 5.1, Oxidising substances
- Division 5.2, Organic peroxides

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.: 1133

Proper Shipping Name: ADHESIVES containing flammable liquid

Class: 3

Packaging Group: II

EMS No.: F-E, S-D

Special Provision(s): -

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.: 1133

Proper Shipping Name: ADHESIVES containing flammable liquid

Class: 3

Packaging Group: II

Hazard Label: Flammable liquid

Packaging Instructions (passenger & cargo): 353

Packaging Instructions (cargo only): 364

Special Provision(s): A3

U.N. Number

1133

UN proper shipping name

ADHESIVES

Transport hazard class(es)

3

Hazchem Code

•3YE

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Packing Group II
EPG Number 3A1
IERG Number 14
IMDG Marine pollutant 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.
Group Standard: Surface coatings and colourants (Flammable) Group Standard 2006
HSNO Approval Number HSR002662

16. Other Information

Date of preparation or last revision of SDS SDS created: February 2014

Literature References 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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