

Infosafe No™ LQ3DX	Issue Date : June 2014	ISSUED by PARCHEMN
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Product Name : **EMER TAN**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	EMER TAN
<b>Company Name</b>	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
<b>Address</b>	7 Lucca Road Wyong NSW 2259 Australia
<b>Telephone/Fax Number</b>	Tel: 02 4350 5000 Fax: 02 4351 2024
<b>Emergency phone number</b>	0800 154 666 (available 24/7)
<b>Recommended use of the chemical and restrictions on use</b>	Rust converter
<b>Other Information</b>	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](http://www.parchem.co.nz)

## 2. Hazard Identification

<b>Classification of the substance or mixture</b>	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. 3.1B - Flammable liquids: high hazard 8.1A - Substance that is corrosive to metals 8.2B - Substance that is corrosive to dermal tissue 8.3A - Substance that is corrosive to ocular tissue
<b>Signal Word (s)</b>	Danger
<b>Hazard Statement (s)</b>	H225 Highly flammable liquid and vapour. H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
<b>Pictogram (s)</b>	Flame, Corrosion



<b>Precautionary statement – Prevention</b>	P102 Keep out of reach of children. P103 Read label before use. P210 Keep away from heat/sparks/open flames/hot surfaces. P233 Keep container tightly closed. P234 Keep only in original container.
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**Precautionary statement – Response**

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 mist/vapours/spray.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

## GENERAL

P101 If medical advice is needed, have product container or label at hand.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

P390 Absorb spillage to prevent material damage.

## SKIN

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 Wash contaminated clothing before reuse.

## EYE

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## INHALATION

P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

## INGESTION

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Precautionary statement – Storage**

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Precautionary statement – Disposal**

P406 Store in corrosive resistant container with a resistant inner liner.

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
	Ethanol	64-17-5	10-<30 %
	Tannic acid	1401-55-4	1-<10 %
	Phosphoric acid	7664-38-2	1-<5 %
	Ingredients determined not to be hazardous, including water.		Balance

### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Wash out mouth and lips with water. Seek immediate medical attention.
<b>Skin</b>	Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.
<b>Eye contact</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate 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 New Zealand 0800 764 766) or a doctor at once.

### 5. Fire-fighting measures

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<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, smoke and gases including oxides of phosphorous, carbon monoxide, carbon dioxide and oxides of nitrogen.
<b>Specific hazards arising from the chemical</b>	Product contains ethanol which is a 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.
<b>Hazchem Code</b>	•3WE
<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	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

<b>Personal precautions, protective equipment and emergency procedures</b>	Remove all sources of ignition. Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/vapour. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by collecting the material using explosion proof vacuum and transfer into suitable labelled containers for subsequent recycling or disposal. As a water based product, if spilt on electrical equipment the product will cause short-circuits. Dispose of waste according to 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

<b>Precautions for Safe Handling</b>	Corrosive and flammable liquid. Attacks skin and eyes. Causes burns. Avoid breathing in vapours, mist or fumes. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Keep material away from sparks, flames and other ignition sources. Do not use near ignition sources. Use explosion-proof equipment. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Prevent the build up of mists or vapours in the work atmosphere. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
<b>Conditions for safe storage, including any incompatibilities</b>	Corrosive and flammable liquid for storage and handling purposes. Protect from freezing. Keep tightly closed in a dry, cool, well-ventilated area, out of direct sunlight. Provide a catch-tank in a bunded area. Avoid sparks, flames and other ignition sources. Store away from incompatible materials. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Keep containers closed when not in use, 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. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 The storage and handling of corrosive substances and Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.
<b>Corrosiveness</b>	May be corrosive to metals.

## 8. Exposure controls/personal protection

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

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethanol	1000	1880	-	-
Phosphoric acid	-	1	-	-

**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 limit 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. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, 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 vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian 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 full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**

Wear gloves of impervious material such as laminated film, nitrile or neoprene. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. 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 is recommended. Chemical resistant apron is recommended where large quantities are handled.

**9. Physical and chemical properties**

<b>Appearance</b>	Dark brown liquid
<b>Colour</b>	Dark brown
<b>Odour</b>	Mild inoffensive odour
<b>Decomposition</b>	Not available
<b>Temperature</b>	
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	78°C (ethanol)
<b>Solubility in Water</b>	Soluble
<b>Specific Gravity</b>	1.01 (23°C)
<b>pH</b>	1.0-2.0
<b>Vapour Pressure</b>	Not available

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<b>Vapour Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	11-13 seconds (25°C)
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	13°C (ethanol)
<b>Flammability</b>	Highly flammable (ethanol)
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	3.5% (ethanol)
<b>Flammable Limits - Upper</b>	19% (ethanol)

## 10. Stability and reactivity

<b>Reactivity</b>	Reacts with incompatible materials
<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat, flames and other sources of ignition.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including oxides of phosphorous, carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Not available

## 11. Toxicological Information

<b>Toxicology Information</b>	No toxicity data available for this product.
<b>Ingestion</b>	Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
<b>Inhalation</b>	Inhalation of mist or vapour will result in respiratory irritation and possible harmful corrosive effects including burns, lesions of the nasal septum, pulmonary edema, and scarring of tissue.
<b>Skin</b>	Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.
<b>Eye</b>	Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitiser.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitiser.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Carcinogenicity</b>	Not considered to be a carcinogenic hazard. Tannic acid is listed as a Group 3: Not classifiable as to its carcinogenicity to humans according to International Agency for Research on Cancer (IARC).
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not considered to be an aspiration hazard.

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**12. Ecological information**

<b>Ecotoxicity</b>	No ecological data available for this material.
<b>Persistence and degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Other Adverse Effects</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material into waterways, drains and sewers.

**13. Disposal considerations**

<b>Disposal Considerations</b>	<p><b>Product Disposal:</b> 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. 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><b>Container Disposal:</b> 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**

<b>Transport Information</b>	<p><b>Road and Rail Transport:</b> This product is classified as Dangerous Goods Class 3 Flammable Liquids and subsidiary Class 8 Corrosive Substances. 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 Class 7: Radioactive materials unless specifically exempted Food items Note 1: Cyanides (Division 6.1) must not be loaded in the same freight container or on the same vehicle with acids (Class 8). Note 2: Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong. Must not be loaded 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:</p>
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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  
 Food items  
 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.: 2924  
 Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Contains Ethanol and Phosphoric acid)  
 Class: 3 Subrisk 8  
 Packaging Group: II  
 EMS No.: F-E, S-C  
 Special Provision: 274

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.: 2924  
 Proper Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Contains Ethanol and Phosphoric acid)  
 Class: 3 Subrisk 8  
 Hazard label: Flammable liquid, Corrosive  
 Packaging Group: II  
 Packaging Instructions (passenger & cargo): 352  
 Packaging Instructions (cargo only): 363  
 Special Provision: A3,  
 2924

**U.N. Number**

**UN proper shipping name** FLAMMABLE LIQUID, CORROSIVE, N.O.S. - (Contains Ethanol and Phosphoric acid)

**Transport hazard class(es)** 3

**Sub.Risk** 8

**Hazchem Code** •3WE

**Packing Group** II

**EPG Number** 3A4

**IERG Number** 18

**IMDG Marine pollutant** No

## 15. Regulatory information

**Regulatory Information** Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.  
 Group Standard: Surface Coatings and Colourants (Flammable, Corrosive) Group Standard 2006

**HSNO Approval Number** HSR002663

## 16. Other Information

**Date of preparation or last revision of SDS** SDS created: June 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

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Act 1996 (HSNO CoP 8-1 09-06).  
Assigning a hazardous substance to a group standard.  
American Conference of Industrial Hygienists (ACGIH).  
Technical Support: 1800 812 864

**Contact Person/Point**

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