

MATERIAL SAFETY DATA SHEET

Issued: October, 2006

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) name: Tannin Remover
Other Names: Tannin
Recommended Use: Cleaning and spotting agent for carpets and textiles.
Supplier Name: CC Products Pty. Ltd.
Supplier Address: 30-32 Boileau Street, Keysborough, Victoria 3173
Supplier Contacts
Telephone: (03) 9701 6055
Fax: (03) 9701 5474
Emergency Contact: Mobile: 0417354561
Website: www.ccproducts.com.au

SECTION 2 - HAZARDS IDENTIFICATION

Statement of Hazardous Nature:

This product is classified as:

Not classified as hazardous according to the criteria of NOHSC Australia.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: Not Hazardous - No criteria found.

SUSDP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good.

UN Number: None allocated

Emergency Overview

Physical Description & colour: Clear liquid to slight yellow.

Odour: Slight salt odour.

Major Health Hazards: No significant risk factors have been found for this product.

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Potential Health Effects

Inhalation

Short term exposure: Significant inhalation exposure is considered to be unlikely. Available data indicates that this product can be harmful and irritating.

Long Term exposure: No data for health effects associated with long term inhalation although this product is considered harmful in large quantities.

Skin Contact:

Short term exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Long Term exposure: Several repeated or prolonged exposure (24 to 48 hours) may irritate.

Eye Contact:

Short term exposure: This product is believed to be irritating to eyes with redness and swelling.

Long Term exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short term exposure: Significant oral exposure is considered to be unlikely. This product is likely to cause irritation in the short or long term.

Long Term exposure: Swallowing large amounts can be extremely harmful and irritating cause digestive discomfort.

Carcinogen Status: None known.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc, %
Hydrochloric acid	-	<5
Surfactants	-	<5
Oxalic acid	-	<5
Acetic acid	-	<5
Alkaline salts	-	<5
Other non hazardous ingredients	-	<1
Water	7732-18-5	to 100

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4 - FIRST AID MEASURES

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. If in doubt obtain medical advice.

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Eye Contact: Quickly and gently blot or brush product away. Flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes or until the product is removed or until irritation has ceased, while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

Ingestion: Rinse mouth with water. Give water to drink. Seek medical advice.

SECTION 5 - FIRE FIGHTING MEASURES

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

This product is likely to decompose only after heating to dryness, followed by further strong heating.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Minor spills do not normally need any special clean up measures or emergency procedures. In the event of a major spill, prevent spillage from entering drains or water courses. If in doubt call the EPA. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Methods & Materials for Containment & Clean Up: Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Can be slippery on floors, especially when wet. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.

As a minimum, wear overalls, protective glasses or goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Conditions for Safe Storage: Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight and away from other chemicals. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

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SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure Limits **TWA (mg/m³)** Not set **STEL (mg/m³)** Not set
Exposure limits have not been established by NOHSC for any of the significant ingredients in this product.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that at a minimum you should wear overalls and suitable gloves (preferably elbow-length) when handling this product.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour:	Clear liquid to slight yellow.
Odour:	Slight salt odour
PH:	4.0 - 5.0
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No data.
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Approximately 0°C.
Solubility:	Completely soluble in water.
Specific Gravity:	1.00 g/cm ³ .

Information for flammable materials

Flash point and method of detecting flash point:	>100.00 Degree C.
Upper and lower flammable (explosive) limits in air:	Not flammable
Ignition temperature:	Not flammable

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Additional information*Specific heat value: No data**Particle size: No data**Volatile organic compounds (VOC) content: No data**Evaporation rate: No data**Viscosity: No data**Percent volatile: No data**Octanol/water partition coefficient: No data**Saturated vapour concentration (include reference temperatures): No data**Flame propagation or burning rate of solid materials: Not flammable**Properties of both flammable and non-flammable materials that may initiate or uniquely contribute: to the intensity of a fire (e.g. Class 4 or Class 5): Not flammable**Potential for dust explosion: No data**Reactions that release flammable gases or vapours: Not flammable**Fast or intensely burning characteristics: Not flammable**Non-flammables that could contribute unusual hazards to a fire, such as strong oxidizing and reducing agents or peroxide formers: No data**Release of invisible flammable vapours and gases: No data**Decomposition temperature: No data***SECTION 10 - STABILITY AND REACTIVITY**

Chemical Stability: Water solution. Chemically stable water soluble solution. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Conditions to Avoid: Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatible Material: No particular incompatibilities.

Hazardous Decomposition Products: This product is likely to decompose only after heating to dryness, followed by further strong heating. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Hazardous Reactions: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Polymerisation: This product is unlikely to undergo polymerisation processes.

SECTION 11 - TOXICOLOGICAL INFORMATION**Health effects from the likely routes of exposure:**

Inhalation: Not expected to cause respiratory irritation unless present as an aerosol, in which case respiratory irritation may result.

Skin: May cause irritation.

Eye: May cause irritation/discomfort.

Ingestion: May result in severe irritation to the gastrointestinal tract.

Target Organs: There is no data to hand indicating any particular health effects on target organs.

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Classification of Hazardous Ingredients**Ingredients:** None

No ingredient mentioned in the List of Designated Hazardous Substances is present in this product at hazardous concentrations.

SECTION 12 - ECOLOGICAL INFORMATION

Major ingredients in his product are biodegradable; will not accumulate in soil or water or cause long term problems.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal methods & containers: Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. This product should be suitable for landfill. However, check with local Waste Disposal Authority before sending there. Note that product properties may have been changed in use, significantly altering it's suitability for landfill. Please do NOT dispose into sewers or waterways.

SECTION 14 - TRANSPORT INFORMATION

UN Number: None allocated

UN Shipping Name: None allocated

Class & Subsidiary risk: None allocated. Not Hazardous

Packing Group: None allocated

Special Precautions for user: None. See section 5,6,7 & 8 for any associated handling and precautions.

Hazchem code: None allocated. Not Hazardous

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

SECTION 15 - REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

SECTION 16 - OTHER INFORMATION

This MSDS contains only safety-related information. For other data see product literature.

Date of preparation or last revision of the MSDS: 20 May, 2004

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

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THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

CC Products Pty. Ltd. 30-32 Boileau Street, Keysborough VIC 3173.