



## MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: CLEANING VINEGAR

Date of Issue: DEC 2011

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### SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**SUPPLIER:** Custom Chemicals international Pty Ltd  
**ADDRESS:** 103-107 Potassium Street, Narangba 4504 Queensland Australia  
**Trade Name:** **CLEANING VINEGAR**  
**TELEPHONE:** +617 3204 8300 **FAX:** +617 3204 8311  
**AH EMERGENCY TELEPHONE:** 13 1126 in Australia **ABN:** 73 050 537 674  
**Substance:** Water based cleaner **Product Use:** Cleaning aid  
**Creation Date:** DEC 2011 **Revision Date:** DEC 2016  
**Product Code:**

### SECTION 2 – HAZARDS IDENTIFICATION

- This product is **NOT classified as HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.
- This product is **NOT classified as a Scheduled Poison** according to the SUSDP.

#### Approved Criteria Classification

**UN Number** none allocated  
**Shipping Name** none allocated  
**Hazchem Code** none allocated  
**SUSDP Classification** none allocated

None allocated

**ADG Classification** none allocated  
**ADG Subsidiary Risk** none allocated  
**Packing Group** none allocated

#### EMERGENCY OVERVIEW

**Colour** colourless  
**Physical Description** Liquid  
**Major Health Hazards** None known

**Odour** Vinegar odour  
**Viscosity** Non-viscous liquid

### SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances".

Ingredients:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
Vinegar (acetic acid)	64-19-7	< 10% w/w	10ppm 25mg/m <sup>3</sup>	15ppm 37mg/m <sup>3</sup>
Water	7732-18-5	> 60% w/w	not set	not set

The **TWA** exposure value is the Time Weighted 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

**Scheduled Poisons** Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 03 474 7000).

**First Aid Facilities** Normal washroom facilities.

**Skin contact** Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.

**Eye contact** Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).



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<b>Ingestion</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
<b>Inhalation</b>	Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor).
<b>Advice to Doctor</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
<b>Aggravated Medical Conditions</b>	None known.

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Water based. Not combustible. However if involved in a fire will emit toxic fumes.
<b>Extinguishing Media</b>	Use carbon dioxide (CO <sub>2</sub> ) fire extinguisher, water fog or fine water spray.
<b>Fire Fighting</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
<b>Flash Point</b>	None

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	No HAZCHEM code.
<b>Occupational Release</b>	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

### SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
<b>Storage</b>	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: <b>Time-weighted Average (TWA):</b> None established for specific product. See <b>SECTION 3</b> for Exposure Limits of individual ingredients. <b>Short Term Exposure Limit (STEL):</b> None established for specific product. See <b>SECTION 3</b> for Exposure Limits of individual ingredients.
<b>Biological Limit Value</b>	None established for product.
<b>Engineering Controls</b>	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Use only in a well-ventilated area.



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### Personal Protective Equipment

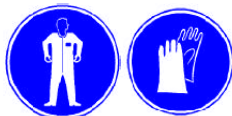
This product is classified as a non-hazardous cleaning liquid. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;

### Eye Protection



Generally not required to handle diluted solutions as per label directions. The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.

### Skin Protection



Generally not required to handle diluted solutions as per label directions. Gloves are recommended for typical cleaning operations. Overalls, apron, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

### Protective Material Types

Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

### Respirator

Not required for normal cleaning operations.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid	Colour	Colourless
Odour	Vinegar	Specific Gravity	1.0 – 1.01 @ 25 °C
Boiling Point	Approximately 100 °C	Freezing Point	Approximately 0 °C
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	Not flammable	Flammable Limits	None
Water Solubility	Miscible in all proportions	pH	2.5 – 3.5 neat
Volatile Organic Compounds (VOC)	0 % v/v	Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available	Odour Threshold	Not available
Evaporation Rate	Not available	Per Cent Volatile	100 % v/v

## SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	Avoid contact with heat or heat sources.
Incompatible Materials	Reducing agents, oxidizing agents.
Hazardous Decomposition	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
Hazardous Reactions	None known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### PRODUCT MIXTURE INFORMATION

Local Effects	Mild irritant: eye, skin, inhalation and ingestion.
Target Organs	Eyes, mucous membranes, skin.

### POTENTIAL HEALTH EFFECTS

#### Ingestion

short term exposure	Swallowing large amounts of this product can cause stomach irritation, nausea and diarrhoea.
long term exposure	No information available.

#### Skin contact

short term exposure	Concentrated product may cause skin irritation. Prolonged contact with concentrated solutions may be irritating. Properly diluted wash solutions not expected to be irritating.
long term exposure	Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals.



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### Eye contact

**short term exposure** This product may cause eye irritation, watering, redness.**long term exposure** No information available.

### Inhalation

**short term exposure** Exposure to intentionally generated mists of this product may cause slight nose and throat irritation.**long term exposure** No information available.

### Carcinogen Status

**NOHSC** No significant ingredient is classified as carcinogenic by NOHSC.**NTP** No significant ingredient is classified as carcinogenic by NTP.**IARC** No significant ingredient is classified as carcinogenic by IARC.

### Medical conditions

**aggravated by exposure** No information available.

### Individual Ingredient Information

**NOTE : This information relates to each individual ingredient, when evaluated as pure undiluted chemical. See SECTION 3 for actual proportions of ingredients present in this product.**

#### CLASSIFICATION OF INDIVIDUAL INGREDIENTS

Ingredients	R-Phrases.
Acetic acid	R36/38 if > 10%

#### ACETIC ACID 100%

Irritation Data Dermal LD50 (rabbit): 1060 mg/kg (anhydrous substance).

Toxicity Data Oral LD50 (rat): 3310 mg/kg (anhydrous substance).

Inhalation LCLO (rat): 16000 ppm / 4 hours.

Local Effects Irritant: inhalation, skin, eye.

Target Organs Eyes, skin, mucous membranes.

Acute Toxicity Level No available information.

Mutagenic Data No available information.

Reproductive Effects No available information.

Carcinogenicity Not classed as a carcinogen by NOHSC.

### SECTION 12 – ECOLOGICAL INFORMATION

**Fish toxicity** None available for specific product.**Algae toxicity** None available for specific product.**Invertebrates toxicity** None available for specific product.**Toxicity to Bacteria** None available for specific product.**OECD Biological degradation** Individual components have been specifically included in this product because they are known to be readily biodegradable and of low toxicity to fish and other aquatic organisms.**General** Product miscible in all proportions with water. As with any chemical product, do not discharge BULK quantities into drains, waterways, sewer or environment. Inform local authorities if this occurs.

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal** To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septic, and grey water systems. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.



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**SECTION 14 – TRANSPORT INFORMATION**

<b>UN Number</b>	none allocated	<b>ADG Classification</b>	none allocated
<b>Shipping Name</b>	none allocated	<b>ADG Subsidiary Risk</b>	none allocated
<b>Hazchem Code</b>	none allocated	<b>Packing Group</b>	none allocated
<b>Packaging Method</b>	none allocated	<b>Special Provisions</b>	none allocated
<b>Segregation</b>	none allocated		

**SECTION 15 – REGULATORY INFORMATION**

<b>AICS</b>	All ingredients present on AICS.
<b>Labeling Details</b>	
<b>HAZARD</b>	none allocated
<b>RISK PHRASES</b>	none allocated
<b>SAFETY PHRASES</b>	none allocated
<b>SUSDP</b>	Not scheduled
<b>ADG Code</b>	none allocated

**SECTION 16 – OTHER INFORMATION**

<b>Acronyms</b>	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons.
	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail.
	CAS Number	Chemical Abstracts Service Registry Number.
	UN Number	United Nations Number.
	R-Phrases	Risk Phrases.
	HAZCHEM	An emergency action code of numbers and letters which gives information to emergency services.
	NOHSC	National Occupational Health and Safety Commission.
	NTP	National Toxicology Program (USA).
	IARC	International Agency for Research on Cancer.
	AICS	Australian Inventory of Chemical Substances.
	TWA	Time Weighted Average
	STEL	Short Term Exposure Limit
<b>Literature References</b>	List of Designated Hazardous Substances [NOHSC:10005(1999)] Australian Code For The Transport Of Dangerous Goods By Road And Rail – Sixth Edition. Standard for the Uniform Scheduling of Drugs and Poisons. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)] Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)] Material Safety Data Sheets – individual raw materials – Suppliers. HSIS – Hazardous Substance Information System – National Worksafe Data Base.	
<b>Revision Information</b>	New Issue to standard : 2nd Edition [NOHSC:2011(2003)].	
<b>Note</b>	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.	
<b>Contact Point</b>	Regulatory Affairs Manager.	<b>Telephone</b> (07) 3204 8300
<b>Issue Date</b>	December 2011	<b>Supersedes Issue Date</b> 1 <sup>st</sup> issue
This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier 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 supplier.		