



## MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: PHENYLE DISINFECTANT

Date of Issue: JAN 2012

Page 1 of Total 6

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**SUPPLIER:** Custom Chemicals international Pty Ltd  
**ADDRESS:** 103-107 Potassium Street, Narangba 4504 Queensland Australia

**Trade Name:****“PHENYLE” DISINFECTANT**

**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:** Disinfectant  
**Creation Date:** JAN 2012 **Revision Date:** JAN 2017  
**Product Code:** 5L 0050660 20L 0050661

### SECTION 2 – HAZARDS IDENTIFICATION

- This product is classified as **HAZARDOUS (HARMFUL)** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **NOT classified as a DANGEROUS GOOD** according to the Australian Dangerous Goods (ADG) Code.
- This product is **classified as a schedule 6 Poison (SUSMP)**.

**Approved Criteria**

Xn – HARMFUL

**Classification,  
(calculated)**

R21/22 - Harmful in contact with skin and if swallowed.

R36/38 - Irritating to eyes and skin.

S(1/2) – Keep locked up and out of the reach of children.

S28 – After contact with skin, wash immediately with plenty of soap-suds.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

**UN Number**

none allocated

**ADG Classification**

none allocated

**Shipping Name**

none allocated

**ADG Subsidiary Risk**

none allocated

**Hazchem Code**

none allocated

**Packing Group**

none allocated

**SUSMP Classification**

S6 POISON

**EMERGENCY OVERVIEW****Colour**

caramel

**Odour**

phenolic odour

**Physical Description**

Liquid

**Viscosity**

non-viscous liquid

**Major Health Hazards**

Harmful – skin, eyes, mucous membranes, respiratory system.

### 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
Cresol mixture	1319-77-3	< 10% w/w	5 ppm 22 mg/m3	not set
Ingredients determined to be non-hazardous	Various	< 10% w/w	not set	not set
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.



## MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: PHENYLE DISINFECTANT

Date of Issue: JAN 2012

Page 2 of Total 6

### SECTION 4 – FIRST AID MEASURES

<b>Scheduled Poisons</b>	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).
<b>First Aid Facilities</b>	Normal washroom facilities.
<b>Skin contact</b>	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.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
<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. Obtain medical attention if symptoms occur.
<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 an extinguishing media suitable for surrounding fires.
<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.
<b>Flash Point</b>	None – does not support combustion.

### 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.
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## MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: PHENYLE DISINFECTANT

Date of Issue: JAN 2012

Page 3 of Total 6

### Storage

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

### Exposure Limits

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

**Time-weighted Average (TWA):** None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

**Short Term Exposure Limit (STEL):** None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

### Biological Limit Value

None established for product.

### Engineering Controls

Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating mists of the product. Use only in a well-ventilated area. Ensure airflow, where this product is used, is directed away from the operators.

### Personal Protective Equipment

This product is a hazardous (HARMFUL) 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



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



Wear chemical resistant gloves. 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

### Respirator



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

Not required for normal and intended cleaning operations with adequate ventilation. Where high contaminant spray mist or vapour levels exist, ie, approaching the exposure limit, the following additional equipment is required: For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For prolonged exposure and confined spaces:- full face air supplied or self contained breathing apparatus (if vapour levels exceed the Exposure Limit by more than ten times, air supplied apparatus should be used).

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### Physical State

liquid

### Colour

caramel

### Odour

phenol

### Specific Gravity

1.0 – 1.05 @ 25 °C

### Boiling Point

Ca 100 °C

### Freezing Point

Not available °C

### Vapour Pressure

Not available

### Vapour Density

Not available

### Flash Point

Not flammable

### Flammable Limits

none

### Water Solubility

Miscible in all proportions

### pH

8.5 – 10 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

Ca 90 % w/w



## MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: PHENYLE DISINFECTANT

Date of Issue: JAN 2012

Page 4 of Total 6

### SECTION 10 – STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	None identified.
<b>Incompatible Materials</b>	Reducing agents, oxidizing agents, acid.
<b>Hazardous Decomposition Products</b>	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
<b>Hazardous Reactions</b>	May be incompatible with acids.

### SECTION 11 – TOXICOLOGICAL INFORMATION

#### PRODUCT MIXTURE INFORMATION

<b>Local Effects</b>	Harmful & Irritant: eye, skin, respiratory system, and ingestion.
<b>Target Organs</b>	Eyes, mucous membranes, lungs, skin.

#### POTENTIAL HEALTH EFFECTS

##### Ingestion

<b>short term exposure</b>	Toxic if swallowed. Symptoms include headache, stomach upset, depression, dizziness, mental confusion, irregular and rapid breathing, weak pulse, muscle weakness, cloudy vision and ringing in the ears. The symptoms normally disappear soon after exposure stops. In extreme cases, loss of consciousness, lung damage (edema), damage to the kidney, liver, pancreas and spleen, and death may result. May cause a burning sensation in the mouth, throat and gastrointestinal tract with permanent damage.
<b>long term exposure</b>	Prolonged or repeated exposure may cause abundant production of saliva, vomiting, diarrhea, loss of appetite, headache, dizziness, mental disturbances and fainting. There may be temporary or permanent damage to the lungs, liver, kidneys, heart and sometimes the pancreas and spleen.

##### Skin contact

<b>short term exposure</b>	Toxic in contact with skin. Symptoms include facial pallor, headache, stomach upset, depression, dizziness, mental confusion, irregular and rapid breathing, weak pulse, muscle weakness, cloudy vision and ringing in the ears. The symptoms normally disappear soon after exposure stops.
<b>long term exposure</b>	Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals.

##### Eye contact

<b>short term exposure</b>	This product may cause severe eye irritation, watering, redness.
<b>long term exposure</b>	No information available.

##### Inhalation

<b>short term exposure</b>	Extremely hazardous in case of inhalation, may cause irritation of nose and throat.
<b>long term exposure</b>	Prolonged or repeated exposure may cause abundant production of saliva, vomiting, diarrhea, loss of appetite, headache, dizziness, mental disturbances and fainting. There may be temporary or permanent damage to the lungs, liver, kidneys, heart and sometimes the pancreas and spleen.

##### Carcinogen Status

<b>NOHSC</b>	No significant ingredient is classified as carcinogenic by NOHSC.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	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 proportions present in the product.



## MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: PHENYLE DISINFECTANT

Date of Issue: JAN 2012

Page 5 of Total 6

### Classification of Hazardous Ingredients

#### Ingredients

Cresol mixture

#### R-Phrases.

R21/22, R36/38

### 100% Cresol mixture

#### Irritation Data

Note: Absorption through the skin may be a significant source of exposure. Dermal LD50 (dermal): 1782 mg/kg; 2000 mg/kg. Toxic in contact with skin. Symptoms include facial pallor, headache, stomach upset, depression, dizziness, mental confusion, irregular and rapid breathing, weak pulse, muscle weakness, cloudy vision and ringing in the ears. The symptoms normally disappear soon after exposure stops. In extreme cases, loss of consciousness, lung damage (edema), damage to the kidney, liver, pancreas and spleen, and death may result.

#### Toxicity Data

Oral LD50 Rabbit: 200mg/Kg Oral LD50 Rat: 1454mg/Kg

#### Local Effects

Harmful & irritant: inhalation, skin, eye.

#### Target Organs

Blood, liver, spleen, kidneys.

#### Acute Toxicity Level

Toxic: inhalation, dermal absorption, ingestion.

#### Mutagenic Data

No information.

#### Reproductive Effects

No information.

#### Carcinogenicity

Insufficient information.

## SECTION 12 – ECOLOGICAL INFORMATION

#### Fish toxicity

None available.

#### Algae toxicity

None available.

#### Invertebrates toxicity

None available.

#### Toxicity to Bacteria

None available.

#### OECD Biological

#### degradation

Minor components stated to be biodegradable. Cresol stated to be dangerous for the environment.

#### General

Product miscible in all proportions with water. 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.

## SECTION 14 – TRANSPORT INFORMATION

#### UN Number

none allocated

#### Shipping Name

none allocated

#### Hazchem Code

none allocated

#### Packaging Method

none allocated

#### Segregation

none allocated

#### ADG Classification

none allocated

#### ADG Subsidiary Risk

none allocated

#### Packing Group

none allocated

#### Special Provisions

none allocated



MATERIAL SAFETY DATA SHEET	
CUSTOM CHEMICALS INTERNATIONAL	Product: PHENYLE DISINFECTANT
Date of Issue: JAN 2012	Page 6 of Total 6

## SECTION 15 – REGULATORY INFORMATION

<b>AICS</b>	All ingredients present on AICS.
<b>Labeling Details</b>	Classification Xn – HARMFUL
	RISK R21/22 - Harmful in contact with skin and if swallowed.
	PHRASES: R36/38 - Irritating to eyes and skin.
	SAFETY S(1/2) – Keep locked up and out of the reach of children.
	PHRASES: S28 – After contact with skin, wash immediately with plenty of soap-suds.
	S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
	S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).
<b>SUSMP</b>	S6 POISON (PHENOL >3%)
<b>ADG Code</b>	Nil

## SECTION 16 – OTHER INFORMATION

<b>Acronyms</b>	
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons.
<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>CAS Number</b>	Chemical Abstracts Service Registry Number.
<b>UN Number</b>	United Nations Number.
<b>R-Phrases</b>	Risk Phrases.
<b>HAZCHEM</b>	An emergency action code of numbers and letters which gives information to emergency services.
<b>NOHSC</b>	National Occupational Health and Safety Commission.
<b>NTP</b>	National Toxicology Program (USA).
<b>IARC</b>	International Agency for Research on Cancer.
<b>AICS</b>	Australian Inventory of Chemical Substances.
<b>TWA</b>	Time Weighted Average
<b>STEL</b>	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 Medicines and Poisons No.1 (2010). 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>	Jan 2012 <b>Supersedes Issue Date</b> Dec 2007

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.