

PCT7000 Silicone Part A

Material Safety Data Sheet



Chemtools

Unit 4, 3 Pullman Place
Emu Plains NSW 2750

Ph: 02 4735 3126

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www.chemtools.com.au

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chemtools PCT7000 Silicone Part A
Part Numbers: PCT7000GRY
Product Type: Potting Compound
Company Address: Chemtools Pty. Ltd., PO Box 463, Emu Plains, NSW 2750
Ph: 1300 738 250
EMERGENCY PHONE: Australia: Poisons Information Centre 13 1126
International: Infotrac (708) 918 1900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS #	%	HSIS TWA	HSIS STEL
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No hazardous ingredients

3. HAZARDS IDENTIFICATION

Statement of Hazardous Nature This product is classified as: Non- Hazardous according to the criteria of SafeWork Australia. Non-Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.
Risk Phrases: Not classified
Safety Phrases: Not classified
Major Health Hazards:

4. FIRST AID MEASURES

General Information:
Inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
Skin Contact: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Ingestion: If swallowed, DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention immediately!

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards: None
Extinguishing Media: Fire can be extinguished using: Water spray, fog or mist. Foam. Powder.
Hazardous Combustion Products: None
Protection of Fire Fighters: When fire fighting, wear full protective equipment including self-contained breathing apparatus.
Specific Fire or Explosion Hazards: None

6. ACCIDENTAL RELEASE MEASURES

Accidental release: Ventilate well. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.
Precautions for safe handling: Spilled substance increases risk of slipping.

7. HANDLING AND STORAGE

Handling: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Persons susceptible to allergic reactions should not handle this product.
Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

8. EXPOSURE CONTROLS / 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.

Material Safety Data Sheet

Issued by: Chemtools Pty., Ltd.,

Page 1 of 3

PCT7000 Silicone Part A

Material Safety Data Sheet

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems. Ventilation: This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

Eye Protection:	Wear approved safety goggles
Skin Protection:	Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material
Protective Material Types:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Respirator:	Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.
Hygiene Measures:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	Viscous dark grey liquid
Odour:	None
Boiling Point:	>250°C
Freezing/Melting Point:	No data
Relative Density:	1.4@20°C
Vapour Pressure:	No data
Vapour Density:	No data.
Specific Gravity:	No data.
Water Solubility:	Insoluble
pH:	No data
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water distribution:	No data
Autoignition temp:	No data

10. STABILITY AND REACTIVITY

Reactivity:	Unreactive
Conditions to Avoid:	Heat and flame for long periods of time.
Incompatibilities:	Strong oxidiser, strong acids.
Fire Decomposition:	Oxides of carbon.
Polymerisation:	This product will not undergo polymerisation reactions

11. TOXICOLOGICAL INFORMATION

Local Effects:	
Ingredient Risk Phrases:	None

12. ECOLOGICAL INFORMATION

This product is unlikely to adversely affect the environment in the long term.

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal:	Recover or recycle if possible. Dispose of according to Federal, State and local governmental regulations.
Container disposal:	Drain container thoroughly. Recycle if possible.

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

ADG Code:	Not allocated
Hazchem Code:	Not allocated

15. REGULATORY INFORMATION

Poisons Schedule (SUSDP):	Not allocated
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16. OTHER INFORMATION



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Issued by: Chemtools Pty., Ltd.,

Page 2 of 3

PCT7000 Silicone Part A

Material Safety Data Sheet

Abbreviations/Acronyms:

ADG – Australian Dangerous Goods.
AICS – Australian Inventory of Chemical Substances.
HSIS - Hazardous Substances Information System.
IARC – International Agency for Research on Cancer.
NIOSH – National Institute of Occupational Health and Safety.
NOS – Not Otherwise Specified.
PEL – Permissible Exposure Limit.
STEL – Short Term Exposure Limit.
SWA – SafeWork Australia, formally ASCC and NOHSC.
SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.
TLV – Threshold Limit Value.
TWA – Time Weighted Average.

Date of MSDS:

May 2012

DISCLAIMER:

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The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purpose other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.

End of MSDS



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Page 3 of 3

PCT7000 Silicone Part B

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chemtools PCT7000 Silicone Part B
Part Numbers: PCT7000GRY
Product Type: Potting Compound
Company Address: Chemtools Pty. Ltd., PO Box 463, Emu Plains, NSW 2750
Ph: 1300 738 250
EMERGENCY PHONE: Australia: Poisons Information Centre 13 1126
International: Infotrac (708) 918 1900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS #	%	HSIS TWA	HSIS STEL
Dimethyl, methylhydrogen siloxane	68037-59-2	40-70	not listed	

3. HAZARDS IDENTIFICATION

Statement of Hazardous Nature This product is classified as: Hazardous according to the criteria of SafeWork Australia. Non-Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.
Risk Phrases: R20- Harmful by inhalation.
R36/37/38 - Irritating to eyes, respiratory system, skin
R42/43 - May cause sensitisation by inhalation, by skin contact
Safety Phrases: S23 - Do not breathe vapour.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61 - Use only in well ventilated areas

4. FIRST AID MEASURES

General Information:
Inhalation: Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues. If respiratory problems, apply artificial respiration/oxygen.
Skin Contact: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Ingestion: If swallowed, DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention immediately!

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards: None
Extinguishing Media: Fire can be extinguished using: Water spray, fog or mist. Foam. Powder.
Hazardous Combustion Products: None.
Protection of Fire Fighters: When fire fighting, wear full protective equipment including self-contained breathing apparatus.
Specific Fire or Explosion Hazards: Irritating gases.

6. ACCIDENTAL RELEASE MEASURES

Accidental release: Ventilate well. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.
Precautions for safe handling: Spilled substance increases risk of slipping.

7. HANDLING AND STORAGE

Handling: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Persons susceptible to allergic reactions should not handle this product.
Storage: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

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Page 1 of 4



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No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.
Ventilation: This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

Eye Protection:	Wear approved safety goggles
Skin Protection:	Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material
Protective Material Types:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Respirator:	Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.
Hygiene Measures:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	Viscous white liquid
Odour:	None
Boiling Point:	No data
Freezing/Melting Point:	No data
Relative Density:	1.4@20°C
Vapour Pressure:	No data
Vapour Density:	No data.
Specific Gravity:	No data.
Water Solubility:	Insoluble
pH:	No data
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water distribution:	No data
Flash Point:	No data

10. STABILITY AND REACTIVITY

Reactivity:	Stable
Conditions to Avoid:	Heat and flame
Incompatibilities:	Water, amines, strong bases and alcohols.
Fire Decomposition:	Oxides of carbon.
Hazardous decomposition products:	If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C through oxidation.
Polymerisation:	This product may undergo polymerisation reactions through contact with moisture, other materials that react with isocyanates, or temperatures above 200°C may cause polymerisation.

11. TOXICOLOGICAL INFORMATION

General information: According to present experience, the material is neither mutagenic, carcinogenic nor teratogenic. The toxicological results listed below are based on tests with similar materials.

Acute toxicity (LD₅₀/LC₅₀-values relevant to classification):

Type	Value/value range	Species	Source
oral	> 2009 mg/kg	rat (Limit Test)	test report
dermal	> 2009 mg/kg	rat (Limit Test)	test report

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Page 2 of 4

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Primary irritation:

Type	Effect	Species	Source
to skin	not irritating	rabbit	literature
to eyes	mildly irritating	rabbit	test report

Sensitization:

Type	Effect	Test method	Species	Source
to skin	not sensitizing	Magnusson- Kligmann	guinea-pig	test report

Subacute to chronic toxicity:

Additional information (subacute/chronic):

According to literature: Chronic oral exposition: Nothing abnormal detected.

Reference points for mutagenic (carcinogenic) potential:

Test system	Effect	Source
Bacterial Reverse Mutation Test	not mutagenic	literature
Escherichia coli, Reverse Mutation	not mutagenic	literature

12. ECOLOGICAL INFORMATION

This product is unlikely to adversely affect the environment in the long term. Not regarded as dangerous for the environment. The polymer is expected to be of low toxicity.

Biodegradation / further information: Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Recover or recycle if possible. Dispose of according to Federal, State and local governmental regulations.

Container disposal: Drain container thoroughly. Recycle if possible.

14. TRANSPORT INFORMATION

General: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). No transport warning sign required.

15. REGULATORY INFORMATION

Poisons Schedule (SUSDP): Not allocated

16. OTHER INFORMATION

Abbreviations/Acronyms:

- ADG – Australian Dangerous Goods.
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- HSIS - Hazardous Substances Information System.
- IARC – International Agency for Research on Cancer.
- NIOSH – National Institute of Occupational Health and Safety.
- NOS – Not Otherwise Specified.
- PEL – Permissible Exposure Limit.
- STEL – Short Term Exposure Limit.
- SWA – SafeWork Australia, formally ASCC and NOHSC.
- SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.
- TLV – Threshold Limit Value.
- TWA – Time Weighted Average.

Date of MSDS: May 2012

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Page 3 of 4

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Page 4 of 4