



MATERIALS SAFETY DATA SHEET

Silclean 100 Dry Cleaning Fluid

Version 2

Last update 7-06-2010

Company Details

Company Name	GreenEarth Australasia Pty Ltd (ACN 110 750 233)
Address	410 Unley Road, Unley Park S.A. 5061
Telephone	(08) 8271-4666
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Fax Number	(08) 8373-3533

Identification

Product Name - Silclean 100 dry cleaning Fluid
Manufacturer's Product Code – Silclean 100

Not Classified as Hazardous according to the Criteria of Worksafe Australia

UN Number	Not Applicable	Non Hazardous Material
Dangerous Goods Class	Not Applicable	
- Subsidiary Risk	Not Applicable	
Hazchem Code	Not Applicable	
Poisons Schedule	Not Applicable	
Emergency Guide	Not Applicable	
Packaging Group	III	
Pack Size & Container Type	20/ or 200/	steel or plastic containers.

Use

Major Recommended Uses	Dry Cleaning fluid
Recommended Application Method	Use as needed in dry cleaning machines

Physical Description/Properties

Appearance	A clear low viscosity liquid.
Boiling Point	102°C (20mm/Hg)
Vapour Pressure	2mm (50°C)
Specific Gravity	0.96
Flashpoint (closed cup)	77°C
Flammability Limits	Not Applicable
Solubility in water	Immiscible.

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Other Properties

Shock Sensitivity	None
Corrosiveness	None
Oxidizing Properties	None
Reactivity With Common Substances	None
Autoignition Temperature	Unknown
Evaporative Rate	Unknown
Vapour Density	Unknown
Odour Threshold	Faint organic odour
pH	Not applicable
Solubility in Organic Solvents	Miscible with some alcohols. Miscible with hydrocarbons, ethers and chlorinated solvents.
Percent Volatiles	99.9% (by weight)
Volatile Organic Compounds	0%
Bulk Density	1042 litres/tonne
<u>Ingredients</u>	Blend of Volatile cyclic silicone pentamer, and PDMS

Health Hazard Information

Health Effects

Acute

- | | |
|-------------|----------------------------------|
| - swallowed | May cause gastric distress |
| - eye | May cause slight eye irritation. |
| - skin | None known |
| - inhaled | None known |

Chronic	None known
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First Aid

Swallowed	Remove victim to a quiet well ventilated area. Call for medical attention. Keep airway clear. Wipe any residues out of the mouth, wash with water. Give oxygen if the face is blue. Loosen tight clothing.
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If unconscious put in prone position.

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Eye possible)	Wash with large amounts of water (luke warm if for at least 15 minutes. Ask victim to look up and down and sideways to wash properly. Do not allow victim to rub the eye. Do not allow the victim to keep the eye shut. Do not use oil or ointment without medical supervision. Do not use hot water for washing. Have the victim examined by a doctor.
Skin	Remove affected clothes, jewelry, footwear etc. from the victim. Wash the affected area with soap and water
Inhaled	None known
<u>Advice to Doctor</u>	Advise of the chemical mixture and that it is a volatile silicone fluid mixture. Give the First Aid information given above. Relate exactly how the accident happened and what has been done since then.
<u>Precautions For Use</u>	
Exposure Standards	Unknown, refer to above.
Ventilation <u>Personal Protection</u>	No special requirements.
Respirator Type	None required
Glove Type	Vinyl, latex or rubber gloves are suitable.
Eye Protection	Goggles that give full eye protection from splashing are recommended. Plastic or glass are both suitable.
Clothing	Cover as much skin as possible with loose fitting work clothes such as overalls. Waterproof shoes or boots that will run splashes away from the foot are best .
<u>Flammability</u>	
Fire Hazards	The material is not classified flammable.
Flash Point (closed cup)	77°C
Ventilation	Adviseable
Earthing	Recommended
Sources of Ignition Advice	Keep from all sources
Hazchem Code	Not Applicable

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Safe Handling Information

Storage and Transport

Security	Store out of reach of children. Store in a locked area.
Temperature Conditions	Store below 30°C
Protection from weather, sunlight	Steel containers will rust if left out in the weather. A risk of water seepage into the drums exists if water is allowed to collect in the top of the drums.
Storage Incompatibilities	None known.
Type of Container/Package	25/ or 200/ steel or plastic containers.
Dangerous Goods Class	Not Applicable
Special Transport Requirements	Do not top load heavy drums. Note above advice on compatibility.

Spills and Disposal

Minimising Spills/Leaks	Mop up with absorbent material such as rags, sand or vermiculite.
Clean Up Spills/Leaks	Best pumped into separate containers. Avoid washing into the drains.
Precautions for Clean Up Crew	Wear protective gloves, glasses, boots and clothing. Keep the public away from spills. Will be slippery underfoot.
Special Equipment for Clean Up	None required.
Disposal Containers	Use polyethylene containers or lined steel drums.
Disposal Method	Take to a disposal company and give a full description of the material. Dispose of according to Commonwealth and state regulations.

Fire/Explosion Hazard

Hazards of use/storage	None known.
List of dangerous decomposition products	None Listed
Fire fighting recommendations mist or carbon dioxide.	Use an extinguisher based on foam, dry chemical, water

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TOXICOLOGICAL INFORMATION

SKIN IRRITATION:	Patch Test (24Hr/Open)
EYE IRRITATION:	EYE-RABBIT : MILD
SENSITIZATION:	No evidence of sensitization
ACUTE TOXICITY (LD50) :	LD50(Oral/Rat) : >5g/kg
ACUTE TOXICITY (LC50) :	LC50(Inhalation/Rat) : >5g/m3/Hr (estimated by similar dimethylcyclosiloxane)

SUBACUTE TOXICITY:

Repeated inhalation or oral exposure of mice and rats to decamethylcyclopentasiloxane produced an increase in liver size.

No gross histopathological or significant clinical chemistry effects were observed.

An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive.

CHRONIC TOXICITY:	No information is available.
CARCINOGENICITY:	NTP:Not listed, IARC:Not listed,
OSHA REGULATED:	Not listed
MUTAGENICITY:	Negative (Bacteria)
REPRODUCTIVE EFFECT:	No information is available.
TERATOGENIC EFFECT:	No information is available.
OTHER INFORMATION:	None

Notice

The details contained herein are based on our present state of knowledge and experience and are to characterize our product with regard to any possible safety requirement. We do however pass them on without any warranty or property assurances.

The data and advice given apply only when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the products is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.