

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Octaphenylcyclotetrasiloxane

Product Number: SC-5208

CAS No. 546-56-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Industrial.

Intermediate chemical

1.3 Details of the supplier of the safety data sheet

Manufactured/Supplied by Silsource Inc.

ADDRESS: 10625 Bryant Sideroad, Port Perry, Ontario, L9L 2C6

CHEMICAL EMERGENCY ONLY (PHONE): CANUTEC [24 Hr.] CANADA, 888-226-8832 or 613-996-6666

CHEMTREC [24 Hr.] USA, 1-800-262-8200

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

PHYSICAL HAZARDS Not classified

HEALTH HAZARDS Not classified

ENVIRONMENTAL HAZARDS Not classified

2.2 Label elements

Pictogram: none

Signal word: none

Hazard statement(s)

The substance does not meet the criteria for classification.

Precautionary statement(s)

Prevention

Observe good industrial hygiene practices

Response

Wash hands after handling.

Storage

Store away from incompatible materials

Disposal

Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

no data

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: DiPhenyl D4

Component	CAS number	Concentration
Octaphenylcyclotetrasiloxane	546-56-5	≥ 98 %

Note:

Components not listed are either non-hazardous or are below reportable limits.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

In case of skin contact

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If swallowed

Get medical advice/attention if you feel unwell. Rinse mouth.

Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

Information for First responders

A rescuer should wear personal protective equipment, such as rubber gloves and airtight goggles

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media**

Dry chemical, foam, water spray, carbon dioxide

Unsuitable extinguishing media

Solid streams of water, as this will spread the fire.

5.2 Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed, Carbon oxides, Silicon oxides

5.3 Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire

5.4 Further information

Use water spray to cool unopened containers.

5.5 General fire hazards

The product is not flammable.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Ensure adequate ventilation. Keep unnecessary personnel away.

6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Stop the flow of material, if this is without risk. Collect dust using a vacuum cleaner equipped with HEPA filter.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Occupational exposure limits** No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines No exposure standards allocated.

8.2 Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation Rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Also install safety shower and eye bath.

8.3 Personal Protective Equipment

Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hand protection: Protective gloves.

Eye protection: Safety glasses. A face-shield, if the situation requires.

Skin and body protection: Protective clothing. Protective boots, if the situation requires.

8.4 General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and Protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Solid/Crystal
Colour:	White
Odour:	No data available
pH:	No data available
Melting point/freezing point:	200°C
Boiling Point/Range:	No data available
Flash Point:	No data available
Evaporation rate:	< 1 (n-butyl acetate = 1)
Explosive limits	
Lower:	No data available
Upper:	No data available
Vapor Pressure:	No data available
Vapor density:	> 1 (air=1) (at 25 °C)
Relative density	1.19 (at 25 °C)
Solubility(ies)	
Solubility (water)	Insoluble (in water).
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Other information	
Percent volatile:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No special reactivity has been reported.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Contact with incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Silicon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to	Direct contact with eyes may cause temporary irritation.
The physical, chemical and toxicological characteristics	
Acute Toxicity:	Oral-rat LD50:>4640 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC:	No data available
NTP:	No data available
Reproductive toxicity:	No data available
RTECS NO:	GZ4398500

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
12.2 Persistence and degradability:	No data available
12.3 Bioaccumulative potential:	No data available
12.4 Mobility in soil:	
log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law constant(PaM3/mol):	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Contact a qualified professional waste disposal service to dispose of this material. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.
- 13.2 Contaminated packaging**
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

- 14.1 Hazards Class:** Does not correspond to the classification standard of the United Nations
- UN-No:** Not Listed
- DOT:** Not regulated as dangerous goods.
- IATA:** Not regulated as dangerous goods.
- IMDG:** Not regulated as dangerous goods.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

SECTION 15: REGULATORY INFORMATION

- US federal regulations** All components are listed on or exempt from the U.S. EPA TSCA Inventory List.
- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
Not regulated.
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**
Not regulated.
- CERCLA Hazardous Substance List (40 CFR 302.4)**
Not listed.
- Superfund Amendments and Reauthorization Act of 1986 (SARA)**
- Hazard categories**
- Immediate Hazard - No
 - Delayed Hazard - No
 - Fire Hazard - No
 - Pressure Hazard - No
 - Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

This product contains the following chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm:

None known.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

SECTION 16: OTHER INFORMATION

HMIS® ratings Health: 0 Flammability: 1 Physical hazard: 1

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use.

This SDS was prepared sincerely on the basis of the information we could obtain, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

This SDS is compliant with the GHS requirements outlined at http://www.ccohs.ca/oshanswers/chemicals/whmis_ghs/sds.html

Abbreviations and Acronyms

IMDG: International Maritime Code for Dangerous Goods
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

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