

MSDS

SECTION 1.

Product name	Cyclomethicone
INCI name	Decamethylcyclopentasiloxane D5
CAS #	541-02-6
Country of Origin	USA
EINECS #	208-764-9
Product use	Cosmetic/Industrial
Supplier	Botanic Planet Canada Inc.
Address	2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada
Telephone number	905-455-4444
Emergency phone number	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

SECTION 2.

Emergency Overview

GHS Classification

Not classified.

GHS Label elements, including precautionary statements

Signal: Not applicable

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

SECTION 3.

Product Name	Cas No	EC No	Concentration
Decamethylcyclopentasiloxane D5	541-02-6	208-764-9	100%

SECTION 4.

FIRST-AID MEASURES INHALATION EXPOSURE:

Normal inhalation is unlikely to produce adverse reactions. Use in well ventilated areas. In the event of adverse reactions. Remove to fresh air. Give oxygen and call a physician.

EYE CONTACT: Flush with water for 15 min without making eyes sore. Unsweetened Milk may help flush oil from eyes. Seek medical help if necessary.

SKIN CONTACT: Wash area with undiluted dishwashing liquid and flush with copious amounts of water. Seek medical help if necessary.

INGESTION: Flush from mouth with water or unsweetened milk. Administer water and call a physician or poison control center immediately. Do not induce vomiting.

SECTION 5.

FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon Dioxide, powder or water spray.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

SECTION 6.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Standard absorbents can be used.

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 7.

HANDLING AND STORAGE HANDLING

Avoid breathing in dust. To prevent explosion hazards, do not allow dust to settle on surfaces. It is recommend that all dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or explosion suppression systems. All conductive elements of the system that contacts this material should be electrically bonded and grounded.

STORAGE Store in a cool, well-ventilated area.

FIRE PROTECTION Keep away from ignition sources and naked flame.

SECTION 8.

EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

VENTILATION:

PROTECTIVE GLOVES: Rubber gloves

EYE PROTECTION: Splash-proof safety glasses.

RESPIARTORY: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Use appropriate NIOSH approved dust respirator if PEL/TLV may be exceeded.

OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash

SECTION 9.

PHYSICAL STATE AND APPEARANCE

Appearance Colourless liquid.

Odour Almost odourless.

Odour Threshold Not available.

pH Not available.

Melting Point/Freezing Point -44oC

Initial boiling point and boiling range 211oC @ 760mmHg

Flash point (PMCC) 77oC

Evaporation rate < 1

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits Not available.

Vapour pressure (25oC) 0.015 kPa

Vapour density Not available.

Relative density / Specific Gravity (25oC) 0.95

Solubility Insoluble in water.

Partition coefficient: n-octanol/water > 5

Auto-ignition temperature 392oC

Decomposition Temperature Not available.

Viscosity (25oC) 4 cps

Explosive properties Not applicable.

Oxidising properties Not applicable.

SECTION 10.

STABILITY AND REACTIVITY INCOMPATIBILITIES CONDITIONS TO AVOID: No materials present special reactivity hazards.

MATERIALS TO AVOID: Strong oxidizing agents

HAZARDOUS COMBUSTION PRODUCTS CO, CO₂, water

SECTION 11.

TOXICOLOGICAL INFORMATION ACUTE EFFECTS Most likely route of entry is through the skin. Full strength may be irritating to skin, mucous membranes and eyes.

THRESHOLD LIMIT VALUE (TLV): Not established **OSHA PERMISSABLE EXPOSURE LIMIT (PEL):** Not established **LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?** NO

SECTION 12.

ECOLOGICAL INFORMATION GENERAL

Prevent contamination of soil, ground- and surface water.

SECTION 13.

DISPOSAL CONSIDERATION WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 14.

TRANSPORT INFORMATION Class Pack Group Sub. Risk UN No. IMDG Page Road (U.S.-DOT): UN 1169. Air (IATA): not regulated. Sea (IMDG): not regulated.

SECTION 15.

REGULATORY INFORMATION EUROPEAN INFORMATION There were no toxicological studies in the published literature to assign risk and safety phrases.

REVIEWS, STANDARDS, AND REGULATIONS EPA TSCA SECTION 8(B) CHEMICAL INVENTORY LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA? NO

SECTION 16.

Other Information: NONE



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COA

Product: Cyclomethicone, Cyclopentasiloxane

Botanical Name/INCI: Decamethylcyclopentasiloxane D5

Lot No: BPCCM052023

Best Before: May, 2026

Origin: USA

<u>Property</u>	<u>Specification</u>	<u>Result</u>	<u>Method</u>
Appearance (25°C)	Clear liquid	PASS	SAM-23
Foreign Matter	Free of	PASS	SAM-26
Colour, (APHA)	10 Max.	10	SAM-29
Decamethylcyclopentasiloxane, (%)	97.5 Min.	99.9	CALCULATIONS
Octamethylcyclotetrasiloxane, (%)	1.0 Max.	< 0.1	CALCULATIONS
Dodecamethylcyclohexasiloxane, (%)	2.0 Max	< 0.1	CALCULATIONS

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