



Revision Date: May 7, 2015

Version No.: 1

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**
Product Name **CYCLOMETHICONE**
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**
Identified uses **Cosmetic raw material**
- 1.3 Details of the Supplier of the Safety Data Sheet**

Saffire Blue inc.
1444 Bell Mill Side Road
Tillsonburg, ON N4G4G9
Canada
- 1.4 Emergency telephone number** +1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted)

SECTION 2 – HAZARDS INGREDIENTS

- 2.2 Classification of the Substance or Mixture** according to Regulation (EC) 1272/2008
None
- 2.2 Label Elements** according to Regulation (EC) EU 1272/2008
Hazard pictogram None
Signal words None
Hazard statements None
Precautionary statements None
- 2.3 Other Hazards** None known

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances**
Chemical characterization **Cosmetic ingredients**
INCI **Cyclopentasiloxane**
CAS **541-02-6**
EC **208-764-9**
Concentration **100**
- 3.2 Mixture**

SECTION 4 – FIRST AID MEASURES

- 4.1 Description of First Aid Measures**
Eyes: **Immediately flush with water**
Skin: **No first aid should be needed**
Inhalation: **No first aid should be needed**
Oral: **No first aid should be needed**
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Comments:

Treat symptomatically

4.2 Most important Symptoms and Effects

No information available

4.3 Indication of any immediate Medical Attention and special Treatment needed

No information available.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Use Carbon Dioxide or Dry chemical on small fires. Use foam (alcohol, polymer or ordinary) and water spray for large fires.

5.2 Flash Point

PMCC 171 °F Flammable Limits in Air, % by Volume:
Unknown

5.3 Protective equipment for fire-fighting

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

5.4 Unusual Fire and Explosion Hazards

Static electricity is not expected to build up, and product is not sensitive to static.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Methods and Material for Containment and Cleaning Up:

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in this MSDS. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents, or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state, and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items and items employed in the cleanup of releases. You will need to determine which federal, state, and local laws and regulations are applicable.

SECTION 7 – HANDLING AND STORAGE

7.1 Ventilation

Local Exhaust:

None should be needed.

Mechanical (general):

Recommended.

Respiratory Protection (type):

Canister for organic vapors (i.e. type GMA from Mine Safety Appliance Co.).

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Protective Clothing:	Clean, body-covering clothing.
Eye Protection:	Safety glasses.
Other Protective Equipment:	Eye Fountain and Safety Shower in work area.

7.2	Condition for Safe Storage, including any Incompatibilities	Keep container closed and stored away from heat, sparks and open flame.
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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

81.	Acute Effects	
	Eye:	Direct contact may cause temporary redness and Discomfort.
	Skin:	No significant irritation expected from a single short-term exposure.
	Inhalation:	No significant effects expected from a single short-term exposure.
	Oral:	Low ingestion hazard in normal use.
8.2	Prolonged / Repeated Exposure Effects	
	Skin:	No known applicable information
	Inhalation:	No known applicable information
	Oral:	No known applicable information
8.3	Signs and Symptoms of Overexposure	No known applicable information
8.4	Medical Conditions Aggravated by Exposure	No known applicable information
8.5	Other Information	The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 12 for the detailed toxicology information.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic Physical and Chemical Properties	
	Physical Form:	Clear to Slight Hazy Liquid
	Color:	Colorless
	Odor:	Odorless to Slight Sweet
	Specific Gravity @ 25°C:	0.95
	Viscosity:	3.8 mm ² /s
	Freezing/Melting Point:	-44°C
	Boiling Point:	211 °C
	Vapor Pressure @ 25°C:	0.015 kPa
	Vapor Density:	Not determined
	Solubility in water:	<0.05 mg/L
	pH:	Not determined
	Volatile Content:	Not determined

SECTION 10 – STABILITY AND REACTIVITY

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10.1	Chemical Stability	Stable
10.2	Incompatible Materials	Strong oxidizing material can cause a reaction
10.3	Conditions to Avoid	Refer to above statements

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1	Information on Toxicological Effects	No information available.
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SECTION 12 - ECOLOGICAL INFORMATION

12.1	Environmental Fate and Distribution	
	Air:	This product is a small low molecular weight volatile compound, it will therefore readily partition into the atmosphere. It is however not a hydrocarbon solvent.
	Water:	This product has very low water solubility (< 100 ppb). As it has a specific gravity of < 1, if discharged to water, it will initially form a surface film. However, as it is very volatile, the product will rapidly evaporate into the air. The aquatic half-life is estimated between 1 – 5 days.
	Soil:	As a result of rapid partitioning into the atmosphere, this product is unlikely to be found in sediment or as a component of sewage sludge.
	Degradation:	This product is volatile and is degraded rapidly in the atmosphere with a half-life of <30 days. Due to the very low water solubility of this product, standard OECD protocols for ready and inherent biodegradability are not suitable for measuring the biodegradability of this product.
12.2	Environmental Effects	
	Toxicity to water organisms:	This product is volatile and has a very short half life in the aquatic environment and therefore does not present a risk to aquatic organisms.
	Toxicity to Soil Organisms:	Due to its volatility, this product is unlikely to be found in the terrestrial compartment.
	Bioaccumulation:	This product is a low molecular weight lipophilic molecule which has the potential for bioconcentration.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1	Waste Treatment Methods	Use appropriate Safety Equipment. Use absorbent material to collect and contain for disposal. Contain large spills and pump into a suitable tank. Wash area with suitable detergent and thoroughly rinse. All Local, State and Federal Regulations concerning health and pollution should be reviewed to determine approved disposal procedures.
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