Material Safety Data Sheet

PEG/PPG-18/18 Dimethicone

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product Name: PEG/PPG-18/18 Dimethicone

1.2 Product Code: -

1.3 Chemical Classification: Silicone

1.4 Recommended Product Usage and Limited Use: silicones for ap/deo
Cosmetic additive

1.5 Company Details

Supplier: Chanjao Longevity Co., Ltd.
Address: 50 Ramindra 14, Bangkok 10230 Thailand
Telephone Number: 66 2 002 7 002
Email Address: care@myskinrecipes.com
Emergency Telephone Number: (66) 02 002 7 002

1.6 First Issuing Date: 2010/03/10

2. HAZARD IDENTIFICATION

2.1 Hazard Classification: Flammable liquid: Category 4

2.2 Label Elements Including Precautionary Statements

Symbol: None.

Signal Word: Warning

Hazard Risk Statement: Combustible liquid.

Precautionary Statement: Keep away from ignition sources such as heat/sparks/open flame - No smoking.
Do not breathe vapour.
Wear suitable protective clothing, gloves and eye/face protection.
Use only outdoors or in a well-ventilated area.
In case of fire, use appropriate fire-fighting measures for extinguishing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of soap and water.
Store in a well-ventilated place. Keep cool.
Dispose of in accordance with local regulations.

2.3 Other Hazard: None known.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Mixture

3.2 Ingredients

Chemical Name	CAS No.	% (w/w)
Decamethylcyclopentasiloxane	541-02-6	87-88
PEG/PPG-18/18 Dimethicone	68037-64-9	12-13

4. FIRST AID MEASURES

4.1 First Aid Measures

Eyes: Immediately flush with water.
Skin: No first aid should be needed.
Inhalation: Remove to fresh air.
Oral: Get medical attention.
Comments: Treat according to person's condition and specifics of exposure.

4.2 Important Symptoms and Hazard Effects: No significant adverse effects from normal use.

4.3 Personal Protection for First Aid or Rescue Personnel

Respiratory Protection: Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.
Eye Protection: Use full face respirator.
Skin Protection: Washing at mealtime and end of shift is adequate.

4.4 Note to physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

5.2 Unsuitable Extinguishing Media: None established.

5.3 Specific Hazards: None.

5.4 Special Fire Fighting Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

5.5 Special protective equipment for the Fire Fighters: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally.

6.2 Environmental Precautions: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

6.3 Methods for Cleaning up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbant. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

7. HANDLING AND STORAGE

7.1 Handling Precautions: Use with adequate ventilation. Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

7.2 Storage Conditions: Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks, and flame.

7.3 Unsuitable Packaging Materials: None established.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Industrial Hygiene Standards:

Ingredients	CAS No.	Exposure Limits
Decamethylcyclopentasiloxane	541-02-6	TWA 10 ppm.
Octamethylcyclotetrasiloxane	556-67-2	TWA 10 ppm.

8.2 Engineering Controls

Local Ventilation: Recommended.
General Ventilation: Recommended.

8.3 Personal Protective Equipment for Routine Handling

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or

exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Organic Vapor Type.
Eye protection: Use proper protection - safety glasses as a minimum.
Hand protection: No special protection needed.
Skin protection: Washing at mealtime and end of shift is adequate.
Hygiene Measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

8.4 Personal Protective Equipment for Spills

Respiratory protection: Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.
Eye protection: Use full face respirator.
Skin protection: Washing at mealtime and end of shift is adequate.
Precautionary Measures: Avoid eye contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	**Physical Form:**	Liquid
9.2	**Color:**	Translucent gray
9.3	**Odor:**	Characteristic odor
9.4	**pH:**	Not determined.
9.5	**Melting Point:**	Not determined.
9.6	**Boiling point/range:**	> 65 °C
9.7	**Flash Point:**	77 °C(Seta Closed Cup)
9.8	**Explosive Limit:**	Not determined.
9.9	**Vapor Pressure @ 25°C:**	Not determined.
9.10	**Vapour Density (air=1):**	Not determined.
9.11	**Specific Gravity:**	0.96 g/cm3
9.12	**Water Solubility:**	Not determined.
9.13	**Partition Coefficient (n-Octanol/Water):**	Not determined.
9.14	**Autoignition temperature:**	Not determined.
9.15	**Decomposition Temperature :**	Not determined.

9.16	**Odor Threshold:**	Not determined.
9.17	**Evaporation Rate:**	Not determined.
9.18	**Flammability (Solid, Gas):**	Not applicable.

10. STABILITY AND REACTIVITY

10.1	**Stability:**	Stable.
10.2	**Possibility of Hazardous Reactions:**	Hazardous polymerization will not occur.
10.3	**Conditions to Avoid:**	None.
10.4	**Materials to Avoid:**	Can react with strong oxidising agents.
10.5	**Hazardous Decomposition Products:**	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

11. TOXICOLOGICAL INFORMATION

11.1 Route of Exposure: Inhalation, skin contact and accidental ingestion.

11.2 Signs and Symptoms of Overexposure: No significant adverse effects from normal use.

11.3 Acute Toxicity:

Chemical Name	CAS No.	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Decamethylcyclopentasiloxane	541-02-6	> 24,134 mg/kg (Rat)	-	8.67 mg/l (Rat; 4hr dust/mist)
Octamethylcyclotetrasiloxane	556-67-2	> 5,000 mg/kg (Rat)	> 4,640 mg/kg (Rabbit)	36 mg/l (Rat; 4hr vapor)

Eyes: Direct contact may cause temporary redness and discomfort.
Skin: No significant irritation expected from a single short-term exposure.
Ingestion: Low ingestion hazard in normal use.
Inhalation: No significant effects expected from a single short-term exposure.

11.4 Chronic Toxicity

Skin: No known applicable information.
Ingestion: Repeated ingestion or swallowing large amounts may injure internally.
Inhalation: No known applicable information.

11.5 Other Health Hazard Information: No known applicable information.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or

expert review of the products.

12. ECOLOGICAL INFORMATION

12.1 Aquatic and Terrestrial Ecotoxicity

Ecotoxicity Effects:

Acute: No adverse effects on aquatic organisms.

Chronic: No adverse effects on aquatic organisms.

Fate and Effects in Waste Water Treatment Plants: No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD. Low molecular weight volatile siloxanes are efficiently removed (>90%) during wastewater treatment with approximately equal amounts going to the atmosphere and the sludge. Low molecular weight volatile siloxanes in treated wastewater effluent will be bound to particulate matter because of very low water solubility.

12.2 Persistence and Degradability

Air: Low molecular weight volatile siloxanes in air are degraded by reaction with hydroxyl radicals, which is the dominant degradation process for most chemicals in the atmosphere.

Water: Low molecular weight volatile siloxanes have very low water solubility and evaporate to air.

12.3 Bioaccumulative Potential

Bioaccumulation: Low molecular weight volatile siloxanes bioconcentrate in fish exposed under controlled laboratory conditions that are not representative of conditions found in the environment.

12.4 Mobility in Soil: Low molecular weight volatile siloxanes in soil are removed by several simultaneously occurring processes including volatilisation, hydrolysis, and clay-catalysed degradation.

12.5 Additional Environmental Information: Additional environmental information on the silicone component is available on request.

13. DISPOSAL CONSIDERATIONS

13.1 Product Disposal: Dispose of in accordance with local regulations.

13.2 Packaging Disposal: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 Road and Rail Transport

Not applicable.

14.2 Sea Transport (IMDG)

Not subject to IMDG code.

14.3 Air Transport (IATA)

Not subject to IATA regulations.

14.4 Special Requirements and Additional Information : None.

15. REGULATORY INFORMATION

15.1 Applicable Laws: Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace
The Regulations for Safe Management of Dangerous Chemicals (promulgated by the PRC Government on 1-2-2002.)
Code of Practice for Safe Management of Dangerous Chemicals (Ministry of Labor, No.677-1992).
General rule for classification and hazard communication of chemicals [GB 13690-2009]

15.2 Chemical Inventories

AICS:	All ingredients listed or exempt.
DSL:	All chemical substances in this material are included on or exempted from the DSL.
IECSC:	All ingredients listed or exempt.
EINECS:	All ingredients listed or exempt.
ENCS/ISHL:	All components are listed on ENCS/ISHL or its exempt rule.
KECL:	All ingredients listed, exempt or notified.
PICCS:	All ingredients listed or exempt.
TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
HSNO:	All ingredients listed or exempt.

16. OTHER INFORMATION