



Material Safety Data Sheet

1. Identification of the Substance and of the Company

Product Name: **Aevitas Silicone Fluid**

Supplier: Aevitas-Transformer Oil Division
46 Adams Blvd.
Brantford, ON N3S 7V2
Canada

(519) 752-7646
CANUTEC: (613) 996-6666

Manufacturer: 24 Hour Emergency Telephone: (989) 496-5900

Dow Corning Corporation Original Manufacturer Name: Dow Corning 200(R) Fluid, 60,000 CST
South Saginaw Road
Midland, Michigan 48686

WHMIS Classification: Not a controlled product

Material Usage: Insulating fluid used in electrical transformers, hair care, conditioners, shampoos, cosmetic additive.

2. Composition/Information on Ingredients

None Present. This is not a controlled product as defined in CPR, am. SOR/88-555

3. Hazards Identification

EMERGENCY OVERVIEW

Generic Description: Silicone
Physical Form: Viscous Liquid
Colour: Colourless
Odour: None

POTENTIAL HEALTH EFFECTS

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.



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Prolonged/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable 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 11 for the detailed toxicology information.

4. First Aid Measures

Eye: 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

Comments: Treat symptomatically.

5. Fire Fighting Measures

Flash Point: 609.8°F / 321°C (Closed Cup)

Autoignition Temperature: Not available.

Flammability Limits in Air: Not available.

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.

Unusual Fire Hazards: None.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Formaldehyde.

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6. Accidental Release Measures

Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. 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, provincial, federal 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.

Note: See section 8 for Personal Protective Equipment for Spills. Call (989) 496-5900, if additional information is required.

7. Handling and Storage

Use with adequate ventilation. Avoid eye contact.

Use reasonable care and store away from oxidizing materials.

8. Exposure Controls / Personal Protection

Component Exposure Limits

There are no components with workplace exposure limits.

Engineering Controls

Local Ventilation: None should be needed.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection – safety glasses as a minimum

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

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Personal Protective Equipment for Spills

Eyes: Use proper protection – safety glasses as a minimum

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable
Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

9. Physical and Chemical Properties

Physical Form:	Viscous Liquid
Colour:	Colourless
Odour:	None
Odour Threshold:	Not available
Specific Gravity @ 25°C:	0.97
Viscosity:	60000 cSt
Freezing/Melting Point:	Not available
Boiling Point:	> 250°C
Vapour Pressure @ 25°C:	Not available
Vapour Density:	Not available
Evaporation Rate:	Not available
Solubility in Water:	Not available
Coefficient of Water/Oil:	Not available
Distribution:	
pH:	Not available
Volatile Content:	Not available

Note: The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. Stability and Reactivity

Chemical Stability:	Stable
Hazardous Polymerization:	Hazardous Polymerization will not occur
Conditions to Avoid:	None.
Materials to Avoid:	Oxidizing material can cause a reaction.

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11. Toxicological Information

Special Hazard Information on Components

No known applicable information

12. Ecological Information

Environmental Fate and Distribution

Complete information is not yet available

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <=2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

13. Disposal Considerations

Can be incinerated in accordance with local regulations.

Call local hazardous waste disposal company or provincial waste authorities for more information.

14. Transport Information

Canada Road (Based on IMDG Regulations)

Not subject to local road regulations.

Ocean Shipment (IMDG)

Not subject to IMDG code

Air Shipment (IATA)

Not subject to IATA regulations.

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15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

WHMIS CLASSIFICATION: Not controlled

DSL STATUS: All chemical substances in this material are included on or exempted from the DSL.

16. Other Information

Prepared by Aevitas Inc.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each use should review these recommendations in the specific context of the intended use and determine whether they are appropriate.