



MATERIAL SAFETY DATA SHEET

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Product name: Niax® silicone L-6900

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ~~Niax® silicone L-6900~~

Chemical name: Polyalkyleneoxidemethylsiloxane copolymer

Use(s): Used in rigid polyurethane foam manufacturing.

Supplier: GE Canada
1063 Copperstone Drive
Pickering, Ontario L1W 3V8, Canada

Manufacturer: GE Silicones
3500 South State Route 2
Friendly, WV 26146, USA

Prepared by/For MSDS, Product Safety, or regulatory inquiries, call: Product Safety Department
416-724-3590 or 1-800-353-1087

Issue date: 2003.08.27

Emergency telephone number: CANUTEC (24 hours) 613-996-6666

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	%W/W
Polyalkyleneoxidemethylsiloxane Copolymer	68937-55-3	80.0 - 90.0 %
Polyalkylene oxide	9041-33-2	10.0 - 20.0 %
Toluene	108-88-3	0.1 - 0.5 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

CAUSES EYE IRRITATION.

4. FIRST AID MEASURES

Swallowing
Give water to drink. Obtain medical attention.



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Skin

Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if discomfort persists.

Inhalation

Remove to fresh air. Obtain medical attention.

Notes to physician

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Flash point: 99 °C

Flammable limits

Lower limit: Not available
Upper limit: Not available

Autoignition temperature: Not available

Hazardous combustion products

Burning can produce the following combustion products:

Oxides of carbon.

Oxides of silicon.

Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Special fire fighting procedures

Do not direct a solid stream of water or foam into hot, burning pools: this may cause frothing and increase fire intensity.

Special protective equipment for firefighters

Self-contained breathing apparatus. Body covering protective clothing.

Extinguishing media

Suitable: Large fires:
- alcohol-type foam or universal-type foams
Small fires:
- CO₂
- dry chemical

Unsuitable: None.

Unusual fire and explosion hazards

None known.

6. ACCIDENTAL RELEASE MEASURES



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Personal precautions

Avoid contact with eyes and skin. Avoid contact with liquid and vapors. Wear suitable protective equipment.

Environmental precautions

Prevent runoff.

Methods for cleaning up

Cover with absorbent or contain.

Collect for disposal.

Observe government regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Do not swallow. Do not get in eyes, on skin, on clothing. Avoid breathing vapor, aerosol and mist. Use with adequate ventilation. Wash thoroughly after handling.

STORAGE

Storage requirements

Keep away from heat and flame. Keep container closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory protection

Self-contained breathing apparatus in high vapor concentrations.

Hand protection / protective gloves

Recommended order of use:

4H

Butyl

Neoprene

Nitrile (NBR)

PVC-coated

Eye protection

Monogoggles

Skin protection

Chemical protective clothing.

Other protective equipment

Eye bath

Safety shower

ENGINEERING CONTROLS

Ventilation

General mechanical room ventilation is satisfactory for normal handling and storage operations.

Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.



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EXPOSURE LIMITS

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Toluene	TWA (skin), ACGIH	50.0 ppm	

Consult local authorities for acceptable provincial values.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Clear, pale
Odor	Polyether
Odor threshold	Not available

OTHER PROPERTIES

Boiling point	> 150 °C at STP unless specified below. Copolymer
Melting point	< 0 °C at STP unless specified below.
pH	Not available
Specific gravity (H ₂ O=1)	1.0500 at 25 °C (1,013 hPa)
Vapor pressure	< 1.33 hPa (1.00 mmHg) at 20 °C
Vapor density (air=1)	Heavier than air
Solubility in water	Soluble
Evaporation rate (Butyl Acetate=1)	< 1
Partitioning coefficient	Not determined
Flash point	99 °C Method: Pensky-Martens closed cup ASTM D 93
Percent volatiles	Not determined
Molecular weight	Copolymer

10. STABILITY AND REACTIVITY

Stability: Stable.



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Stability - Conditions to avoid

None known.

Incompatible materials

None currently known.

Hazardous polymerization: Will not occur.

Hazardous polymerization - Conditions to avoid

None known.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Acute effects

No evidence of harmful effects from available information.

SKIN ABSORPTION

Acute effects

No evidence of harmful effects from available information.

INHALATION

Acute effects

Short-term harmful health effects are not expected from vapor generated at ambient temperature.

SKIN CONTACT

Acute effects

May cause minor irritation.

May cause the following effects:

- itching
- slight local redness

EYE CONTACT

Acute effects

Causes irritation.

Causes the following effects:

- stinging
- excess blinking
- tear production
- excess redness of the conjunctivae

Injury to the cornea is not expected.

Medical conditions aggravated by exposure

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

Other effects of exposure

No adverse effects anticipated from available information.

MUTAGENICITY



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Product name: Niox® silicone L-6900

Genetic toxicity in vitro:

Test type: Ames bacterial assay
Result: Negative
Method: OECD-Guideline No. 471

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH

No information relevant to human health hazard evaluation is currently available.

12. ECOLOGICAL INFORMATION

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Material Safety Data Sheet.

13. DISPOSAL CONSIDERATIONS

General: Incinerate in a furnace where permitted under appropriate federal, provincial, and local regulations.

14. TRANSPORT INFORMATION

TDG - Canada

This product is not regulated by TDG., This product is not regulated by TDG.

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION

D2B Toxic material causing other effects.

CPR Compliance

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

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.

Europe: The ingredients of this mixture are on the EINECS inventory.

United States: The components of this product are listed on the TSCA inventory or are exempt.

Australia: This product, or the components, is listed or exempt from listing on the Australian Inventory of Chemical Substances (AICS).



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Japan: This product, or the components, is listed or exempt from listing on the Existing and New Chemical Substances (ENCS) list.

Philippines: This product, or the components, is listed or exempt from listing on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS

Please consult the product and/or application information bulletins for this product.

LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight

The opinions expressed herein are those of qualified experts within GE Silicones. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of GE Silicones, it is the user's obligation to determine the conditions of safe use of the products.