



Safety Data Sheet

Issue Date: 03/01/2019

Product name:
49590, 49592, 49593, 49594 SILICONE COMPOUND

SECTION 1. IDENTIFICATION

Product name: 49590, 49592, 49593, 49594 SILICONE COMPOUND

Recommended use of the chemical and restrictions on use
Identified uses: Lubricants and lubricant additives

COMPANY IDENTIFICATION

FMSI AUTOMOTIVE HARDWARE
1070 HERITAGE ROAD, BURLINGTON
ON, L7L 4X9
CANADA

Customer Information Number: 1.800.651.7445
fmsiinc.com

EMERGENCY TELEPHONE NUMBER:
416-460-7027

SECTION 2. HAZARD IDENTIFICATION

Hazard classification

GHS classification in accordance with 29 CFR 1910.1200
Not a hazardous substance or mixture.

Other hazards

No data available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Inorganic compound

This product is a mixture.

Contains no hazardous ingredients according to GHS

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SECTION 4. FIRST-AID MEASURES

Inhalation:	Move person to fresh air; if effects occur, consult a physician.
Skin Contact:	Wash off with plenty of water
Eye Contact:	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
Ingestion:	No emergency medical treatment necessary.
Most Important Symptoms and Effects, Acute and Delayed:	Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.
Immediate Medical Attention and Special Treatment:	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media:	None known.
Special hazards arising from the substance or mixture	
Hazardous combustion products:	Formaldehyde, Carbon oxides, Silicon oxides, Boron oxides
Unusual Fire and Explosion Hazards:	Exposure to combustion products may be a hazard to health.
Advice for firefighters	
Fire Fighting Procedures:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	Wipe up or scrape up and contain for salvage or disposal. Local or national 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 regulations are applicable. For large spills, provide diking or

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other appropriate containment to keep material from spreading. If dyked material can be pumped, Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

See sections: 7, 8, 11, 12 and 13.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Conditions for safe storage: Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents.
Unsuitable materials for containers: None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Although some of the components of this product may have exposure guidelines, no exposure would be expected under normal handling conditions due to the physical state of the material.

Exposure controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use safety glasses (with side shields).

Skin protection

Hand protection: Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

Other protection: No precautions other than clean body-covering clothing should be needed.

Respiratory protection:

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator.

The following should be effective types of air-purifying respirators:
Organic vapor cartridge.

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Appearance	
Physical State	Grease
Color	White translucent
Odour	Slight
Odour Threshold	No data available
pH	Not Applicable
Melting Point and Freezing Point	No data available
Initial Boiling Point and Boiling Range	Not Applicable
Flash Point	Closed Cup > 572°F (> 300°C)
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not classified as a flammability hazard
Upper and Lower Flammability or Explosive Limit	No data available
Vapour Pressure	Not applicable
Vapour Density (air = 1)	No data available
Relative Density (water = 1)	>1
Solubility in Water	No data available
Solubility in Other Liquids	No data available
Partition Coefficient, n-Octanol / Water (Log Kow)	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	Can React with strong oxidizing agents
Conditions to Avoid Incompatible Materials	None known Oxidizing agents
Hazardous Decomposition Products	Formaldehyde

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SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when data is available.

Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product: Single dose oral LD50 has not been determined.

Based on information for component(s):

LD50, Rat, > 5,000 mg/kg Estimated.

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

Based on information for component(s):

LD50, > 2,000 mg/kg Estimated.

Acute inhalation toxicity

At room temperature, exposure to vapor is minimal due to low volatility; vapor from heated material may cause respiratory irritation.

As product: The LC50 has not been determined.

Skin corrosion/irritation

Prolonged exposure not likely to cause significant skin irritation.

Serious eye damage/eye irritation

May cause slight temporary eye irritation.

Corneal injury is unlikely.

May cause mild eye discomfort.

Sensitization

For skin sensitization:

No relevant data found.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

No relevant data found.

Carcinogenicity

No relevant data found.

Teratogenicity

No relevant data found.

Reproductive toxicity

No relevant data found.

Mutagenicity

No relevant data found.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when data is available.

Toxicity

Acute toxicity to fish

Not expected to be acutely toxic to aquatic organisms.

Persistence and degradability

Biodegradability: No relevant data found.

Bioaccumulative potential

Bioaccumulation: No relevant data found.

Mobility in soil

No relevant data found.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14. TRANSPORT INFORMATION

DOT Not regulated for transport

Classification of SEA transport (IMO-IMDG):
Not regulated for transport

Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code Consult IMO regulations

Classification for AIR transport (IATA/ICAO):
Not regulated for transport

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SECTION 15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

No SARA Hazards

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

This material does not contain any components with a CERCLA RQ.

Pennsylvania Right To Know

The following chemicals are listed because of the additional requirements of Pennsylvania law:

Components	CASRN
Siloxanes and Silicones, di-Me, polymers with Me silsesquioxanes	68037-74-1
Silicon dioxide	7631-86-9
Silicone Metalloid Complex	Trade secret

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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SECTION 16. OTHER INFORMATION

Date of Latest Revision 03/01/2019

Hazard Rating System

NFPA

Health	Flammability	Instability
0	1	0

HMIS

Health	Flammability	Physical Hazard
0	1	0

Abbreviations

ASTM - American Society for the Testing of Materials

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act;

DOT - Department of Transportation

DSL - Domestic Substances List Canada

GHS - Globally Harmonized System

HMIS - Hazardous Materials Identification System

IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IMO - International Maritime Organization

LD50 - Lethal Dose to 50% of a test population

MARPOL - International Convention for the Prevention of Pollution from Ships

NFPA - National Fire Protection Association

RQ - Reportable Quantity

SARA - Superfund Amendments and Reauthorization Act

SDS - Safety Data Sheet

TSCA - Toxic Substances Control Act (United States)