MATERIAL SAFETY DATA SHEET

PRODUCT: 49590, 49592, 49593, 49594 SILICA FILLED DIMETHYLPOLYSILOXANE

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY: FMSI AUTOMOTIVE HARDWARE
1070 HERITAGE ROAD
BURLINGTON, ONTARIO
CANADA L7L4X9

REVISED: 12/15/16
CHEMICAL FAMILY/USE: SILICONE LUBRICANT
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGHT. %	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
AMORPHOUS SILICA 7631-86-9	1-10	10	NE	6	NE	MG/M3
HYDROPHOBIC FUMED SILICA 68583-49-3	1-5	5	NE	5	NE	MG/M3
DIMETHYLPOLYSILOXANE 63148-62-9	85-99	NA	NE	NA	NE	NA

See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
This Section not in use

POTENTIAL HEALTH EFFECTS:
INGESTION:
None Known
SKIN CONTACT:
May cause mild skin irritation
INHALATION:
A dust hazard may be created if, under conditions of use, solid particles are separated from polymeric matrix.
EYE CONTACT:
May irritate eyes.
MEDICAL CONDITION AGGRAVATED:
None known.
SUBCHRONIC (TARGET ORGAN) EFFECTS:
Respiratory ailments.
Silicosis
CHRONIC EFFECTS/CARCINOGENICITY:
This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.
PROCUCTS/INGREDIENTS
This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:
Eyes.
OTHER:
This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees farenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

4. FIRST AID MEASURES

INGESTION:
Rinse mouth with water several times.
SKIN:
Wash with soap and water.
INHALATION:
Move person to fresh air.
EYES:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
NOTE TO PHYSICIAN:
None known.

5. FIRE FIGHTING MEASURES

FLASH POINT:	204.4 (°C)	400 (°F)
METHOD:	COC	
IGNITION TEMP	NA	
FLAMMABLE LIMITS IN AIR-LOWER (%):	NA	
FLAMMABLE LIMITS IN AIR-UPPER (%):	NA	
SENSITIVITY TO MECHANICAL IMPACT (Y/N):	NO	

SENSITIVITY TO STATIC DISCHARGE:
Sensitivity to static discharge is not expected.
EXTINGUISHING MEDIA:
All standard firefighting media.
SPECIAL FIREFIGHTING PROCEDURES
None known.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Wipe, scrape or soak up in an inert material and put it in a container for disposal.
Wash walking surfaces with detergent and water to reduce slipping hazard.
Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Avoid contact with skin and eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:
Eyewash stations.
RESPIRATION PROTECTION:
None known.
PROTECTIVE GLOVES:
Cloth gloves.
EYE AND FACE PROTECTION:
Safety glasses.
OTHER PROTECTIVE EQUIPMENT:
None known.
VENTILATION:
None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION

BOILING POINT	- NA (°C)	NA (°F)
VAPOR PRESSURE (20°C) (MM HG)	- NEG	
VAPOR DENSITY (AIR=1)	- NEG	
FREEZING POINT	- UNK (°C)	UNK (°F)
MELTING POINT	- UNK (°C)	UNK (°F)
PHYSICAL STATE	- SOLID	
ODOR	- ODORLESS	
COLOR	- WHITE	
ODOR THRESHOLD (PPM)	- UNK	
% VOLATILE BY VOLUME	- 1.0	
EVAP. RATE(BUTYL ACETATE=1)	- 1	
SPECIFIC GRAVITY (WATER=1)	- 1.03	
DENSITY (KG/M3)	- 1030.5	
ACID/ALKALINITY	- UNK	
PH	- NA	
SOLUBILITY IN WATER (20°C)	- INSOLUBLE	
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	- SOLUBLE, (TOLUENE)	

10. STABILITY AND REACTIVITY

STABILITY	- STABLE
HAZADOUS POLYMERIZATION	- WILL NOT OCCUR
HAZARDOUS THERMAL DECOMPOSITION/ COMBUSTION PRODUCTS	- CARBON MONOXIDE CARBON DIOXIDE FORMALDEHYDE
INCOMPATIBILITY (MATERIAL TO AVOID)	- NONE KNOWN
CONDITIONS TO AVOID	- NONE KNOWN

11. TOXICOLIGICAL INFORMATION

PRODUCT INFORMATION:	
ACUTE ORAL LD50 (MG/KG)	- UNKNOWN
ACUTE DERMAL LD50 (MG/KG)	- UNKNOWN
ACUTE INHALATION LC50 (MG/L)	- UNKNOWN
OTHER:	- NONE
AMES TEST	- UNKNOWN

12. EXOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION	- NO DATA AT THIS TIME
CHEMICAL FATE INFORMATION	- NO DATA AT THIS TIME

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD	- DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

14. TRANSPORT INFORMATION

DOT SHIPPING NAME	- NONE
DOT HAZARD CLASS	- NOT DOT REGULATED
DOT LABEL(S)	- NONE
UN/NA NUMBER	- NONE
PLACARDS	- NONE
IATA	- NA
IMO IMDG-CODE	- NONE
EMS NO	- NA
EUROPEAN CLASS	
RID (OCTI)	- NONE
ADR (ECE)	- NONE
RAR (IATA)	- NONE

15. REGULATORY INFORMATION

SARA SECTION 302	- NONE FOUND
SARA (311,312) HAZARD CLASS	- ACUTE HEALTH HAZARD CHRONIC HEALTH HAZARD
SARA (313) CHEMICALS	- NONE
CPSC CLASSIFICATION	- NONE
WHMIS HAZARD CLASS	- DB2 TOXIC MATERIALS
EXPORT;	
SCHDLE B/HTSUS	- 3403.99 LUBRICATING PREPARATION
ECCN	- EAR99

HAZARD RATING SYSTEMS:

EMIS	- FLAMMABILITY	- 0
	REACTIVITY	- 0
	HEALTH	- 0
NFPA	- FLAMMABILITY	- 0
	REACTIVITY	- 0
	HEALTH	- 0
CALIFORNIA PROPOSITION 65	- NONE	

16. OTHER INFORMATION

These data are offered in good faith as typical values and are not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review there recommendations in the specific content of the intended use.

CEPA STATUS	- ALL OF THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE DOMESTIC SUBSTANCES LIST (DSL).
U.S.A. TSCA STATUS	- ALL COMPONENTS ARE LISTED OR IN COMPLIANCE WITH CURRENT REGULATIONS.
EUROPEAN INVENTORY OF EXISTING COMERCIAL CHEMICAL SUBSTANCES (EINECS) STATUS	- LISTED ON THE EINECS
LABELING ACCORDING TO SC-REGULATIONS REQUIRED:	
SYMBOL	- NOT REQUIRED
R-PHRASE	- NOT REQUIRED
S-PHRASE	- NOT REQUIRED
CONTAINS	- NONE

THIS PRODUCT OR ITS COMPONENTS ARE ON THE AUSTRALIAN INVENTORY

C= ceiling limit
EST= estimated
NA = not applicable
NE = none established
ND = none determined
NT = not tested
MST = mist
R = recommended
By-Product = reaction by-product, TSCA inventory status nor required under 40 CFR part 720.30(h-2)

NEGL = negligible
NF = none found
UNKN = unknown
REC = recommended
V = recommended by vendor
SKN = skin
TS = trade secret
STEL = short term exposure limit