

Material Safety Data Sheet

Print Date: 01/30/2019

Revision Date : 06/03/2013

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Commercial Product Name: **Special lubricant**

Part number: G 052172A1

Version : 1.3

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Special lubricant
MSDS Number	:	888100000107
Product Use Description	:	Anti-friction agent and lubricant
Company	:	Volkswagen Canada, Inc. 777 Bayly Street West Ajax, Ontario Canada L1S 7G7
Telephone	:	248 754 4944 8:00 am. – 5:00 pm. EST
Telefax	:	248 754 4943
Emergency telephone number	:	631 996 6666

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This product, material or substance is a WHMIS controlled product per Sections 33 - 66, Part IV of the CPR.

Signal Word	:	CAUTION
Form	:	liquid
Colour	:	colourless
Odour	:	none
Odour - Control parameters	:	no data available
Hazard Summary	:	Irritant

Potential Health Effects

Eyes	:	May cause eye irritation.
Target Organs	:	Eyes

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Carcinogenicity:

ACGIH

: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP

: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC

: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CA Prop 65

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent
Poly[oxy(trifluoro(trifluoromethyl)-1,2-ethanediyl)], .alpha.-(pentafluoroethyl)-.omega.-[tetrafluoro(trifluoromethyl)ethoxy]-	60164-51-4	<= 100

SECTION 4. FIRST AID MEASURES**General advice**

: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Remove

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	from exposure, lie down.
Inhalation	: Remove to fresh air. If symptoms persist, call a physician.
Skin contact	: Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Eye contact	: Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	: If a person vomits when lying on his back, place him in the recovery position. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5. FIREFIGHTING MEASURES

Form	: liquid
Flash point	: Note: does not flash
Suitable extinguishing media	: Any
Special protective equipment for firefighters	: Use personal protective equipment.
Further information	: The product itself does not burn. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Refer to protective measures listed in sections 7 and 8. Ventilate the area.
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- Environmental precautions : Should not be released into the environment.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.
- Additional advice : Contaminated surfaces will be extremely slippery.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : For personal protection see section 8.
Avoid contact with skin and eyes.
Do not breathe vapours or spray mist.
- Advice on protection : Normal measures for preventive fire protection.
- against fire and explosion
- Dust explosion class : not applicable

Storage

- Requirements for storage : Keep container tightly closed in a dry and well-ventilated place.
- areas and containers
- Advice on common storage : Keep away from food, drink and animal feedingstuffs.
- Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure Guidelines

Contains no substances with occupational exposure limit values.

Engineering measures : Provide adequate ventilation.

Eye protection : Safety glasses

Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.

For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Skin and body protection : Long sleeved clothing

Respiratory protection : Not required; except in case of aerosol formation.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

General industrial hygiene practice.

Keep away from food, drink and animal feedingstuffs.

Wash hands before breaks and at the end of workday.

Keep away from tobacco products.

When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Colour : colourless

Odour : none

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Flash point	: Note: does not flash
Thermal decomposition	: No decomposition if stored and applied as directed.
pH	: at 25 ° C (77 ° F) neutral
Density	: 1.86 - 1.96 g/cm3 at 24 ° C (75 ° F)
Water solubility	: negligible
Volatile organic compounds (VOC) content	: 0.00 %

SECTION 10. STABILITY AND REACTIVITY

Hazardous decomposition products	: Hydrogen fluoride
Thermal decomposition	: No decomposition if stored and applied as directed.
Hazardous reactions	: Note: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 rat Dose: 25,000 mg/kg Test substance: Perfluoropolyether
Acute dermal toxicity	: LD50 rat Dose: 17,000 mg/kg

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- Acute inhalation toxicity : LC50 rat
Dose: 19.54 mg/l
Exposure time: 4 h
The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.
- Eye irritation : Result: Mild eye irritation
Mild eye irritation
Strong lachrymation can make it difficult to escape.
- Carcinogenicity : No data is available on the product itself.
- Reproductive toxicity : No data is available on the product itself.
- Teratogenicity : No data is available on the product itself.

Component:

Poly[oxy(trifluoro(trifluoromethyl)-
1,2-ethanediyl)], .alpha.-
(pentafluoroethyl)-.omega.-
[tetrafluoro(trifluoromethyl)ethoxy]-

60164-51-4

Acute oral toxicity: LD50 rat

Dose: 25,000 mg/kg

Acute dermal toxicity: LD50 rat

Dose: 17,000 mg/kg

Acute inhalation toxicity: LC50 rat

Dose: 19.54 mg/l

Exposure time: 4 h

Eye irritation: Classification: Irritating to eyes.

Result: Mild eye irritation

SECTION 12. ECOLOGICAL INFORMATION

- Adsorbed organic bound : The product contains organic halogens.
halogens (AOX)
- Volatile organic compounds : 0.00 %

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(VOC) content

Additional ecological information : Ecological data not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : Where possible recycling is preferred to disposal or incineration.

SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR

Not dangerous goods

TDGR

Not dangerous goods

ICAO / IATA-DGR

Not dangerous goods

IMDG-Code

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

TSCA Status : On TSCA Inventory

DSL Status : All components of this product are on the Canadian DSL.

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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.

WHMIS Classification : D2B Toxic Material Causing Other Toxic Effects
Moderate eye irritant

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

SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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