

SAFETY DATA SHEET

MOLYKOTE® G-N Plus Paste

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product name: Molykote® G-N Plus Paste
Product code: 00000000001674978, 000000000001674978

Details of Supplier/Manufacturer

Company: Penske Power Systems
Address: 488 Blackshaws Road, Altona North, Victoria 3025
Phone: (03) 9243 9292
Fax: (03) 9243 9271
Website: www.penskeps.com

Emergency Telephone Numbers

All Hours: 1800 625 526
Poisons Information:
Australia: 13 11 26
New Zealand: 0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification
Serious eye damage/ eye irritation: Category 1
GHS label elements
Hazard pictograms:



Signal word: Danger
Hazard statements: H318 Causes serious eye damage
Precautionary statements: Prevention:
P280 Wear eye protection/ face protection.
Response:
P305+ P351+ P338+ P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
Other hazards which do not result in classification
None known.

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Substance/ Mixture: Mixture
Chemical nature: Inorganic and organic compounds in mineral oil

Hazardous components

Chemical name	CAS- No.	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5	>=30- <60
Calcium hydroxide	1305-62-0	>=10- <30
Graphite	7782-42-5	>=10- <30
Molybdenum sulfide	1317-33-5	<10
Paraffin waxes and Hydrocarbon waxes	8002-74-2	<10
Aluminium orthophosphate	7784-30-7	<10

SECTION 4 FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.



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If inhaled:	If inhaled remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
In case of eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
If swallowed:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed:	Causes serious eye damage.
Protection of first-aiders:	First Aid responders should pay attention to self- protection, and use the recommended personal equipment when potential for exposure exists.
Notes to physician:	Treat symptomatically and supportively.

SECTION 5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray Alcohol- resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media:	None known.
Specific hazard during firefighting:	Exposure to combustion products may be a hazard to health.
Hazardous combustion products:	Carbon oxides Silicon oxides Formaldehyde Metal oxides Oxides of phosphorus Sulphur oxides
Specific extinguishing methods:	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:	In the event of fire wear self- contained breathing apparatus. Use personal protective equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage it 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:	Soak up with inert absorbent material. For large spills, provide dyking or appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or notional 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.



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Section 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7 HANDLING AND STORAGE

Technical measures: See Engineering measures under EXPOSURE CONTROLS/ PERSONAL PROTECTION section.

Local/ Total ventilation: Use only with adequate ventilation.

Advice on safe handling: Do not swallow.
Do not get in eyes
Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice.
Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures: Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/ spray applications may require added precautions.

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

Materials to avoid: Do not store with the following product types: Strong oxidizing agents

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters

Components	Cas- No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
White mineral oil (petroleum)	8042-47-5	TWA (Mist)	5 mg/m3	AU OEL
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
Calcium hydroxide	1305-62-0	TWA	5 mg/m3	AU OEL
		TWA	5 mg/m3	ACGIH
Graphite	7782-42-5	TWA (Respirable dust)	3 mg/m3	AU OEL
		Further information: Containing no asbestos and <1% crystalline silica		
		TWA (Respirable fraction)	2 mg/m3	ACGIH
Molybdenum sulfide	1317-33-5	TWA	10 mg/m3 (Molybdenum)	AU OEL
		TWA (Inhalable fraction)	10 mg/m3 (Molybdenum)	ACGIH
		TWA (Respirable fraction)	3 mg/m3 (Molybdenum)	ACGIH
Paraffin waxes and Hydrocarbon waxes	8002-74-2	TWA (Fumes)	2 mg/m3	AU OEL
		TWA (Fumes)	2 mg/m3	ACGIH
Aluminium orthophosphate	7784-30-7	TWA (Respirable fraction)	1 mg/m3 (Aluminium)	ACGIH

Engineering measures: Processing may form compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

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Personal protective equipment

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type: Combined particulates and organic vapour type.

Hand protection

Material: Chemical- resistant gloves.

Remarks:

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection: Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield

Skin and body protection: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	paste
Colour:	grey
Odour:	none
Odour Threshold:	No data available
pH:	Not applicable
Melting point/ freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Flash point:	>200 °C (Method: closed up)
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not classified as a flammability hazard
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	Not applicable
Relative vapour density:	No data available
Relative density:	1.35
Solubility(ies)	
Water solubility:	No data available
Partition coefficient: n- Octanol/water:	No data available
Auto- ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity	
Viscosity, dynamic:	Not applicable
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Molecular weight:	No data available

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	Not classified as a reactivity hazard
Chemical stability:	Stable under normal conditions.

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Possibility of hazardous reactions:

Can react with strong oxidizing agents.
When heated to temperatures above 150 °C (300 F) in the presence of air, product can form maintained by keeping vapour concentrations within the occupational exposure limit for formaldehyde. Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid:

None known.

Incompatible materials:

Oxidizing agents.

Acute toxicity

Thermal decomposition:

Formaldehyde

SECTION 11 TOXICOLOGICAL INFORMATION

Exposure routes:

Skin contact

Ingestion

Eye contact

Acute toxicity

Not classified based on available information.

Components

White mineral oil (petroleum):

Acute oral toxicity:

LD50 (Rat) >5000 mg/kg

Acute inhalation toxicity:

LD50 (Rat) >5 mg/l

Exposure time: 4h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity:

LD50 (Rabbit): >2000 mg/kg

Assessment: The substance or mixture has no acute dermal toxicity

Calcium hydroxide:

Acute oral toxicity:

LD50 (Rat): >2000 mg/kg

Method: OECD The guideline 425

Assessment: The substance or mixture has no acute oral toxicity

Acute dermal toxicity:

LD50 (Rabbit): >2500 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal toxicity

Remarks: Based on data from similar materials

Graphite:

Acute oral toxicity:

LD50 (Rat): >2000 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity:

LC50 (Rat): >2mg/l

Exposure time: 4h

Test atmosphere: dust/ mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute inhalation toxicity

Molybdenum sulfide:

Acute oral toxicity:

LD50 (Rat): >200 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity:

LD50 (Rat): >2.82 mg/l

Exposure time: 4h

Test atmosphere: dust/ mist

Acute dermal toxicity:

LD50 (Rat): >200 mg/kg

Method: OECD Test Guideline 402

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Paraffin waxes and Hydrocarbon waxes:

Acute oral toxicity: LD50 (Rat): >5000 mg/kg
Method: OECD Test Guideline 420

Acute dermal toxicity: LD (Rat): >2000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Aluminum orthophosphate:

Acute oral toxicity: LD (Rat): >2000 mg/kg
Method: OECD Test Guideline 420
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity: LD (Rat): >5.1 mg/kg
Exposure time: 4h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Based on data from similar materials

Skin corrosion/ irritation

Not classified based on available information.

Product:

Species: Rabbit
Result: No skin irritation
Remarks: Based on test data

Components:

White mineral oil (petroleum):

Species: Rabbit
Result: No skin irritation

Calcium hydroxide:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Skin irritation

Graphite:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Molybdenum sulfide:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Skin irritation

Paraffin waxes and Hydrocarbon waxes:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Aluminum orthophosphate:

Method: EPISKIN Human Skin Model Test
Result: No skin irritation

Serious eye damage/ eye irritation

Causes serious eye damage.

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Product:

Species: Rabbit
Result: Irreversible effects on the eye
Remarks: Based in test data

Components:**White mineral oil (petroleum):**

Species: Rabbit
Result: No eye irritation

Calcium hydroxide:

Species: Rabbit
Result: Irreversible effects on the eye
Method: OECD Test Guideline 405

Graphite:

Species: Rabbit
Result: No eye irritation

Molybdenum sulfide:

Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 404

Paraffin waxes and Hydrocarbon waxes:

Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Aluminum orthophosphate:

Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitization**Skin sensitization**

Not classified based in available information.

Respiratory sensitization

Not classified based on available information.

Components:**White mineral oil (petroleum):**

Test Type: Buehler Test
Exposure routes: Skin contact
Species: Guinea pig
Result: negative

Graphite:

Test Type: Local lymph node assay (LLNA)
Exposure routes: Skin contact
Species: Mouse
Result: negative

Molybdenum sulfide:

Test Type: Maximization Test
Exposure routes: Skin contact
Species: Guinea pig
Result: negative

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Paraffin waxes and Hydrocarbon waxes:

Test Type: Maximization Test
Exposure routes: Skin contact
Species: Guinea pig
Method: OECD Test Guideline 406
Result: negative

Aluminum orthophosphate:

Test Type: Local lymph node assay (LLNA)
Exposure routes: Skin contact
Species: Mouse
Method: OECD Test Guideline 429
Result: negative

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Components:

White mineral oil (petroleum):

Genotoxicity in vitro: Test Type: In vitro mammalian cell gene mutation test
Result: negative
Genotoxicity in vivo: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative
Remarks: Based on data from similar materials

Calcium hydroxide:

Genotoxicity in vitro: Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Graphite:

Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Molybdenum sulfide:

Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Paraffin waxes and Hydrocarbon waxes:

Genotoxicity in vitro: Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 476
Result: negative
Genotoxicity in vivo: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)
Species: Mouse
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative

Aluminum orthophosphate:

Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

Not classified based in available information

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Components:

White mineral oil (petroleum):

Species: Rat
Application Route: Ingestion
Exposure time: 24 month
Result: negative

Calcium hydroxide

Species: Rat
Application Route: Ingestion
Exposure time: 104 weeks
Result: negative
Remarks: Based on data from similar materials

Molybdenum sulfide:

Species: Rat
Application Route: Ingestion
Exposure time: 232 days
Result: negative

Paraffin waxes and Hydrocarbon waxes:

Species: Rat
Application Route: Ingestion
Exposure time: 2 years
Result: negative

Reproductive toxicity

Not classified based on available information.

Components:

White mineral oil (petroleum):

Effects on fertility: Test Type: One- generation reproduction toxicity study
Species: Rat
Application Route: Skin contact
Result: negative

Effects on foetal development: Test Type: Embryo- foetal development
Species: Rat
Application Route: Ingestion
Result: negative

Calcium hydroxide
Effects on foetal development: Test Type: Embryo- foetal development
Species: Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Graphite:

Effects on fertility: Test Type: Combined repeated dose toxicity study with the reproduction/
development toxicity screening test
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 422
Result: negative

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Effects on foetal development: Test Type: Combined repeated dose toxicity study with the reproduction/ development toxicity screening test
Species: Rat
Application Route: Ingestion
Method: OECD Test Guideline 422
Result: negative

Paraffin waxes and Hydrocarbon waxes:

Effects on fertility: Test Type: Reproduction/ Development toxicity screening test
Species: Rat
Application Route: Ingestion
Result: negative

Effects on foetal development: Test Type: Embryo- foetal development
Species: Rat
Application Route: Skin contact
Result: negative

Aluminum orthophosphate: Test Type: Embryo- foetal development
Species: Mouse
Application Route: Ingestion
Result: negative
Remarks Based on data from similar materials

STOT- single exposure

Not classified based on available information.

Components:

Calcium hydroxide:

Assessment: May cause respiratory irritation.
Remarks: The substance is inextricably bound in the product and therefore does not contribute to dust inhalation hazard.

STOT- single exposure

Not classified based on available information

Repeated exposure

Components:

White mineral oil (petroleum):

Species: Rat
LOAEL: >160 mg/kg
Application Route: Ingestion
Exposure time: 90 days
Species: Rat
LOAEL: >=1 mg/l
Application Route: Inhalation (dust/mist/fume)
Exposure time: 4 weeks
Method: OECD Test Guideline 412

Graphite

Species: Rat
NOAEL: 12 mg/m³
Application Route: Inhalation (dust/mist/fume)
Exposure time: 28 days
Method: OECD Test Guideline 412

Paraffin waxes and Hydrocarbon waxes:

Species: Rat
NOAEL: >2000 mg/kg
Application Route: Skin contact
Exposure time: 13 weeks
Method: OECD Test Guideline 411

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Aluminum orthophosphate:

Species: Dog, male
NOAEL: 322.88 mg/kg
Application Route: Ingestion
Exposure time: 90 days
Remarks: Based on data from similar materials

Aspiration toxicity

Not classified based on available information

Components:

White mineral oil (petroleum):

The substance or mixture is known to cause human aspiration toxicity hazard or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Components:

White mineral oil (petroleum):

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): >100 mg/l
Exposure time: 96h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): >100 mg/l
Exposure time: 48h
Method: OECD Test Guideline 202

Toxicity to algae: NOEC (Pseudokirchneriella subcapitata (green algae)): 100 mg/l
Exposure time: 72h
Method: OECD Test Guideline 201

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 1,000 mg/l
Exposure time: 28d

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 1,000 mg/l
Exposure time: 21d

Calcium hydroxide:

Toxicity to fish: LC50 (Gasterosteus aculeatus (threespine stickleback)): 457 mg/l
Exposure time: 96h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 49.1 mg/l
Exposure time: 48h
Method: OECD Test Guideline 202

Toxicity to algae: EC10 (Pseudokirchneriella subcapitata (green algae)): 79.22 mg/l
Exposure time: 72h
Method: OECD Test Guideline 201
EC10 (Pseudokirchneriella subcapitata (green algae)): 184.57 mg/l
Exposure time: 72h
Method: OECD Test Guideline 201

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Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 1,000 mg/l
Exposure time: 28d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC: 32 mg/l
Exposure time: 14d

Toxicity to bacteria: EC50: 300.4 mg/l
Exposure time: 3h
Method: OECD Test Guideline 209

Graphite:

Toxicity to fish: LC50 (Danio rerio (zebra fish)): >100 mg/l
Exposure time: 96h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): >100 mg/l
Exposure time: 48h
Method: OECD Test Guideline 202

Toxicity to algae: EC50 (Pseudokirchneriella subcapitata (green algae)): 100 mg/l
Exposure time: 72h
Method: OECD Test Guideline 201

Toxicity to bacteria: EC50: >1,012.5 mg/l
Exposure time: 3h
Method: OECD Test Guideline 209

Molybdenum sulfide:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 644.2 mg/l
Exposure time: 96h
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): >130.9 mg/l
Exposure time: 48h
Method: OECD Test Guideline 202
Remarks: Based on data from similar materials

Toxicity to algae: EC50 (Pseudokirchneriella subcapitata (green algae)): 289.2 mg/l
Exposure time: 72h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity): NOEC (Oncorhynchus mykiss (rainbow trout)): >17 mg/l
Exposure time: 12 month
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Ceriodaphnia dubia (water flea)): 156.5 mg/l
Exposure time: 21d
Remarks: Based on data from similar materials

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Toxicity to bacteria: NOEC: 950 mg/l
Exposure time: 17d
Remarks: Based on data from similar materials

Paraffin waxes and Hydrocarbon waxes:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 1,000 mg/l
Exposure time: 96h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): >10,000 mg/l
Exposure time: 48h
Method: OECD Test Guideline 202

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Daphnia magna (Water flea)): 10 mg/l
Exposure time: 21d

Aluminum orthophosphate:

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): >100 mg/l
Exposure time: 96h
Method: OECD Test Guideline 203
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): >100 mg/l
Exposure time: 48h
Method: OECD Test Guideline 202
Remarks: Based on data from similar materials

Toxicity to bacteria: EC50: >1,000 mg/l
Exposure time: 3h
Method: OECD Test Guideline 209

Persistence and degradability

Components:

White mineral oil (petroleum):

Biodegradability: Result: Not readily biodegradable.
Biodegradation: 31%
Exposure time: 28d

Paraffin waxes and Hydrocarbon waxes:

Biodegradability: Result: Not readily biodegradable.
Biodegradation: 31%
Exposure time: 28d

Bioaccumulative potential:

Components:

Paraffin waxes and Hydrocarbon waxes:

Partition coefficient:
n- octanol/ water: log Pow: 5.3- 6.7

Mobility in soil

No data available



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Other adverse effects
No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues: Dispose of in accordance with local regulations
Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 TRANSPORT INFORMATION

International Regulations

UNRTDG
Not regulated as a dangerous good

IATA- DGR

Not regulated as a dangerous good

IMDG- Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG
Not regulated as a dangerous good

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Prohibition/ Licensing Requirements: There is no applicable prohibition or notification/ licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

The components of this product are reported in the following inventories:

KECI: All ingredients listed, exempt or notified.
AICS: All ingredients listed or exempt.
DSL: This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please consult Dow Corning Regulatory Compliance.
IECSC: All ingredients listed or exempt.
PICCS: All ingredients listed or exempt.
REACH: All ingredients (pre-) registered or exempt.
TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
NZIoC: All ingredients listed or exempt.
TCSI: All ingredients listed or exempt.

SECTION 16 OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet:

Internal technical data from raw materials SDSs, OECD eChem Portal search and European Chemicals Agency, <http://echa.europa.eu/>

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.



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Date format: dd.mm.yyyy

Full text of other abbreviations:

ACGIH: USA. ACGIH Threshold Limit Values (TLV)
AU OEL: Australia. Workplace Exposure Standards for Airborne Contaminants
ACGIH / TWA: 8-hour, time-weighted average
NZ OEL / TWA: Workplace Exposure Standard - Time Weighted average

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% re-sponse; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.