

SCS9000 BLACK-03

SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product name: SCS9000 BLACK-03

Recommended use: Sealant

Limitations on use: For industrial use only.

Manufacturer/Importer/Distributor Information : Momentive Performance Materials Asia Pacific Pte, Ltd.
81 SCIENCE PARK DRIVE, THE CHADWICK #02-02, 118257
Singapore

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Responsible Department : Product Stewardship & Compliance

2 HAZARDS IDENTIFICATION

GHS classification:
Not classified

The product has not been classified as hazardous according to the legislation in force.

GHS label elements:

Signal Word: No signal word.

Hazard Statement(s): None.

Precautionary Statements

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Other hazards which do not result in classification:

Primary hazards: No data available.

Specific hazards: No data available.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Mixture of polydimethylsiloxanes, fillers and cross-linkers.

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Substance or Preparation:

Mixtures

Hazardous ingredients:

Chemical Identity	CAS number	Concentration*
Calcium carbonate	1317-65-3	30 - 60%
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	68611-44-9	<10%
Carbon Black	1333-86-4	<10%
Octadecanoic acid	57-11-4	<10%
Titanate Catalyst	Trade secret	<10%
QUARTZ	14808-60-7	<10%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information:

** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

4 FIRST AID MEASURES

General:	No action shall be taken involving any personal risk or without suitable training.
Inhalation:	If inhaled, move victim to fresh air and seek medical attention.
Eye contact:	Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.
Skin Contact:	After contact with skin, remove product mechanically. Wash area with soap and water. Get medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Consult a physician for specific advice.
Likely Acute or Delayed Symptoms/Effects	Treatment is symptomatic and supportive.
Notes to the physician:	Treatment is symptomatic and supportive.

5 FIRE-FIGHTING MEASURES

Extinguishing media:	All standard extinguishing agents are suitable.
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Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
Specific hazard arising from the chemical:	In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Reacts with water liberating small amounts of methanol. This material is reactive with water, but the reaction will not significantly increase the fire severity.
Special fire-fighting procedures:	Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
Special protective action for fire fighters:	Wear self-contained breathing apparatus and protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Provide adequate ventilation. Use personal protective equipment.
Environmental Precautions:	Do not allow runoff to sewer, waterway or ground.
Methods and material for containment and cleaning up:	Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section.
Notification Procedures:	No data available.

7 HANDLING AND STORAGE

Precautions for safe handling:	Keep away from sources of ignition - No smoking.
Condition for safe storage, including any incompatibilities:	Store in the low moisture, dark, cool place below 27°C Keep container closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriated engineering control measures:	Wear suitable gloves and eye/face protection.
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Occupational Exposure Limits:

Chemical name	Type	Exposure Limit Values	Source
Calcium carbonate	TWA	10 mg/m3	Singapore. OELs (Workplace Safety and Health (General Provisions) Regulations, First Schedule), as amended (2006)
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA - Particulate.	TWA	10 mg/m3	Singapore. OELs (Workplace Safety and Health (General Provisions) Regulations, First Schedule), as amended (2006)
Carbon Black	TWA	3.5 mg/m3	Singapore. OELs (Workplace Safety and Health (General Provisions) Regulations, First Schedule), as amended (2006)
	TWA	3.5 mg/m3	Singapore. OELs (Workplace Safety and Health (General Provisions) Regulations, First Schedule), as amended (2006)

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Octadecanoic acid	TWA	10 mg/m3	Singapore. OELs (Workplace Safety and Health (General Provisions) Regulations, First Schedule), as amended (2006)
QUARTZ - Respirable dust.	TWA	0.1 mg/m3	Singapore. OELs (Workplace Safety and Health (General Provisions) Regulations, First Schedule), as amended (2006)

This product contains one or more substances with an occupational exposure limit. However, the respirable particle(s) of this/these substance(s) are inextricably bound within the polymer matrix. Therefore, we do not expect an exposure to this/these substance(s) during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

Personal protective equipment (PPE)

Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment. Gas mask with organic vapor canister and dust and mist filter.
Eye Protection:	Safety glasses with side shields
Hand Protection:	Chemical resistant gloves
Skin Protection:	Wear suitable protective clothing and eye/face protection.
Hygiene measures:	Provide adequate ventilation. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:	solid
Form:	Paste
Color:	Black
Odor:	No data available.
Odor Threshold:	No data available.
pH:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 93.3 °C (estimated)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	No data available.
Relative density:	ca. 1.4
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	Insoluble
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	No data available.

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Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	> 7 mm ² /s (40 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Particle characteristics	
Particle Size:	No data available.
Particle Size Distribution:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.
Other information	
Self-ignition:	No data available.
Miscible (water):	non miscible (<10%)

10 STABILITY AND REACTIVITY

Incompatible Materials:	The catalysis of strong acids or bases cause polymerization or decomposition.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Keep away from moisture. Keep away from heat, sparks and open flame.
Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product:	Not classified for acute toxicity based on available data.
Components:	
Calcium carbonate	No data available.
SILANE,	LD 50, Rat, No data available., 3,160 mg/kg, No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	

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WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	LD 50, Rat, No data available., > 2,000 mg/kg, No data available.
Titanate Catalyst	Category 4
QUARTZ	No data available.

Dermal

Product: Not classified for acute toxicity based on available data.

Components:

Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.

Components:

Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Repeated dose toxicity

Product: No data available.

Components:

Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Skin Corrosion/Irritation

Product: No data available.

Components:

Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	No skin irritation
Titanate Catalyst	Category 2
QUARTZ	No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

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Components:

Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	not irritating (not classified according to the German Dangerous Substances legislation), No data available., No data available.
Titanate Catalyst	Category 1
QUARTZ	No data available.

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	Skin sensitization: Category 1B
QUARTZ	No data available.

Carcinogenicity

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE,	No data available.
DICHLORODIMETHYL-,	
REAKTION PRODUCTS	
WITH SILICA	
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

In vivo

Product:	No data available.
Components:	
Calcium carbonate	No data available.

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SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICASILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon BlackCarbon Black	No data available.
Octadecanoic acidOctadecanoic acid	No data available.
Titanium, (ethyl 3-oxobutanoato-O1',O3)(2,4-pentanedionato-O,O')[1,3-propanediolato(2-)-O,O']-Titanate Catalyst	No data available.
QUARTZQUARTZ	No data available.

Reproductive toxicity

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	Category 1 (Lungs)

Aspiration Hazard

Product:	No data available.
Components:	
Calcium carbonate	No data available.

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SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Information on health hazards

Other hazards

Product: No data available.

Additional toxicological Information under the conditions of use :

No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity:

Toxicity to Aquatic Plants

Product: No data available.

Components:

Calcium carbonate No data available.
SILANE, No data available.

DICHLORODIMETHYL-,
REAKTION PRODUCTS
WITH SILICA

Carbon Black No data available.
Octadecanoic acid No data available.
Titanate Catalyst No data available.
QUARTZ No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Calcium carbonate No data available.
SILANE, No data available.

DICHLORODIMETHYL-,
REAKTION PRODUCTS
WITH SILICA

Carbon Black No data available.
Octadecanoic acid EC0, Pseudomonas putida, >, 100 mg/l, No data available.
Titanate Catalyst No data available.
QUARTZ No data available.

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Calcium carbonate No data available.
SILANE, No data available.

DICHLORODIMETHYL-,
REAKTION PRODUCTS
WITH SILICA

Carbon Black No data available.
Octadecanoic acid LC0, Brachydanio rerio, 96 h, >, 100 mg/l No data available.
LC0, Leuciscus idus, 96 h, >, 100 mg/l No data available.

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Titanate Catalyst	No data available.
QUARTZ	No data available.

Aquatic Invertebrates

Product:	No data available.
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Components:

Calcium carbonate	No data available.
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SILANE,	No data available.
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DICHLORODIMETHYL-,	
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REAKTION PRODUCTS	
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WITH SILICA	
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Carbon Black	No data available.
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Octadecanoic acid	No data available.
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Titanate Catalyst	No data available.
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QUARTZ	No data available.
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Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
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Components:

Calcium carbonate	No data available.
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SILANE,	No data available.
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DICHLORODIMETHYL-,	
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REAKTION PRODUCTS	
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WITH SILICA	
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Carbon Black	No data available.
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Octadecanoic acid	LC0, Brachydanio rerio, 4 d, >, 100 mg/l
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	LC0, Leuciscus idus, 4 d, >, 100 mg/l
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Titanate Catalyst	No data available.
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QUARTZ	No data available.
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Aquatic Invertebrates

Product:	No data available.
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Components:

Calcium carbonate	No data available.
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SILANE,	No data available.
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DICHLORODIMETHYL-,	
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REAKTION PRODUCTS	
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WITH SILICA	
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Carbon Black	No data available.
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Octadecanoic acid	No data available.
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Titanate Catalyst	No data available.
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QUARTZ	No data available.
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Persistence and Degradability

Biodegradation

Product:	No data available.
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Components:

Calcium carbonate	No data available.
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SILANE,	No data available.
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DICHLORODIMETHYL-,	
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REAKTION PRODUCTS	
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WITH SILICA	
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Carbon Black	No data available.
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Octadecanoic acid	No data available.
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Titanate Catalyst	No data available.
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QUARTZ	No data available.
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BOD/COD Ratio

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Mobility in soil:

Product:	No data available.
Components:	
Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Results of PBT and vPvB assessment:

Product:	vPvB: very persistent and very bioaccumulative substance.
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Components:

Calcium carbonate	No data available.
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA	No data available.
Carbon Black	No data available.
Octadecanoic acid	No data available.
Titanate Catalyst	No data available.
QUARTZ	No data available.

Other adverse effects:

Other hazards

Product: No data available.

Additional Information: Ecotoxicological data for this product is not available.

13 Disposal considerations

General information: Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

14 TRANSPORT INFORMATION

ADR

Not Regulated.

IATA

Not Regulated.

IMDG Code

Not Regulated.

Special precautions for user: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

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

Product is not transported in bulk.

15 REGULATORY INFORMATION

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

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Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

Fire Safety (Petroleum and Flammable Materials) Regulations

Not applicable

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

Inventory Status

Australia AICS:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	n (negative listing)	Remarks: None.
China Inv. Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (negative listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: On TSCA Inventory
Taiwan Chemical Substance Inventory:	y (positive listing)	Remarks: None.

16 OTHER INFORMATION

Revision Information: ARGHS_SG
Issue Date: 2025/01/29

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Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.

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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