

SCS1201

SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product name: SCS1201

Recommended use: Silicone Elastomer

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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Telephone : +65-6496-2121
Telefax : +65-6496-2122

Emergency telephone number : +65 3165 2217 / +65 3158 1074

Responsible Department : Product Stewardship & Compliance

2 HAZARDS IDENTIFICATION

GHS classification:

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

GHS label elements:

Symbol(s):

Signal Word: none

Hazard Statement(s): Not applicable

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: Silicone sealant

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Substance or Preparation:

Mixtures

Hazardous ingredients:

Chemical Identity	CAS number	Concentration*
Chemical Identity	CAS number	Concentration*
Octamethylcyclotetrasiloxane	556-67-2	1 - 3%
	556-67-2	<10%

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

4 FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact:	Wash area with soap and water.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Likely Acute or Delayed Symptoms/Effects	None known.
Notes to the physician:	No data available.

5 FIRE-FIGHTING MEASURES

Extinguishing media:	All standard extinguishing agents are suitable.
Unsuitable extinguishing media:	Do not use water jet.
Special fire-fighting procedures:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective action for fire fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics.

Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Keep out of reach of children. Keep container closed.

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. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

Notification Procedures:

No data available.

7 HANDLING AND STORAGE

Precautions for safe handling:

Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin, and clothing. Acetic acid is formed during processing. Wear appropriate personal protective equipment.

Condition for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriated engineering control measures:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

Occupational Exposure Limits:

None known.

Personal protective equipment (ppe)

Respiratory Protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye Protection:

No data available.

Hand Protection:

Chemical resistant gloves

Skin Protection:

Wear suitable protective clothing and eye/face protection.

Hygiene measures:

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:

solid

Form:

Paste

Color:

Colorless

Odor:

Acetic acid.

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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:	1.06 g/cm ³
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	Toluene
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	> 20.5 mm ² /s (40 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

10 STABILITY AND REACTIVITY

Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Keep away from moisture.
Hazardous Decomposition Products:	In case of fire, gives off (emits): Carbon dioxide Silicon dioxide. Formaldehyde. 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

General information:	Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.
Information on likely routes of exposure	
Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

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Information on toxicological effects

Acute toxicity

Oral

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

Specified substance(s)

Octamethylcyclotetrasiloxane LD 50 (Rat): > 4,800 mg/kg (OECD-Guideline 401 (Acute Oral Toxicity)) Not classified

Specified substance(s)

Octamethylcyclotetrasiloxane LD 50 (Rat): > 4,800 mg/kg (OECD-Guideline 401 (Acute Oral Toxicity)) Not classified

Dermal

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

Specified substance(s)

Octamethylcyclotetrasiloxane LD 50 (Rat): > 2,375 mg/kg (OECD Test Guideline 402) Not classified

Specified substance(s)

Octamethylcyclotetrasiloxane LD 50 (Rat): > 2,375 mg/kg (OECD Test Guideline 402) Not classified

Inhalation

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

Specified substance(s)

Octamethylcyclotetrasiloxane Aerosols: LC50 (Rat, male and female, 4 h): 36 mg/l (OECD Test Guideline 403) Not classified

Specified substance(s)

Octamethylcyclotetrasiloxane Aerosols: LC50 (Rat, male and female, 4 h): 36 mg/l (OECD Test Guideline 403) Not classified

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Skin Corrosion/Irritation:

Product: Not irritating
No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane OECD Test Guideline 404 (Rabbit): Non irritating

Specified substance(s)

Octamethylcyclotetrasiloxane OECD Test Guideline 404 (Rabbit): Non irritating

Serious Eye Damage/Eye Irritation:

Product: Not irritating
No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating

Specified substance(s)

Octamethylcyclotetrasiloxane OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating

Respiratory or Skin Sensitization:

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Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing

Specified substance(s)

Octamethylcyclotetrasiloxane

Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)
Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)

Specified substance(s)

Octamethylcyclotetrasiloxane

Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)
Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)

In vivo

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane
Octamethylcyclotetrasiloxane

Chromosomal aberration (OECD 475) Inhalation (Rat, male and female): negative
Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

Specified substance(s)

Octamethylcyclotetrasiloxane
Octamethylcyclotetrasiloxane

Chromosomal aberration (OECD 475) Inhalation (Rat, male and female): negative
Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

Carcinogenicity

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane

No data available.

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Aspiration Hazard

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Metabolism: No data available.

Other effects: No data available.

12 ECOLOGICAL INFORMATION

General information: Not applicable

Ecotoxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; LC50 (Oncorhynchus mykiss, 96 h): > 0.022 mg/l

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; LC50 (Oncorhynchus mykiss, 96 h): > 0.022 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; EC50 (Daphnia magna, 48 h): > 0.015 mg/l

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; EC50 (Daphnia magna, 48 h): > 0.015 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; NOEC (Oncorhynchus mykiss, 93 d): >= 0.0044 mg/l

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; NOEC (Oncorhynchus mykiss, 93 d): >= 0.0044 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; NOEC (Daphnia magna, 21 d): > 0.015 mg/l

Specified substance(s):

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility; NOEC (Daphnia magna, 21 d): > 0.015 mg/l

Toxicity to Aquatic Plants

Product: No data available.

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Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane No data available.

Bioaccumulative potential

Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Octamethylcyclotetrasiloxane No data available.

Known or predicted distribution to environmental compartments

Octamethylcyclotetrasiloxane No data available.

Results of PBT and vPvB assessment:

No data available.

Octamethylcyclotetrasiloxane
No data available.
No data available.

Other adverse effects: No data 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

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

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. Keep away from food, foodstuff, acids and bases.

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15 REGULATORY INFORMATION

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

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

Applicable regulations:

No known specific national and/or regional regulations applicable to this product (including its ingredients)

16 OTHER INFORMATION

Inventory Status

Australia AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: Commercial Status: Active
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

Revision Information: ARGLO_INVSTSARGHS_SG
Issue Date: 2022/10/03

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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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