

Element14\* PDMS 50

# SAFETY DATA SHEET

## 1 Product and company identification

**Name of chemical (Product name):** Element14\* PDMS 50  
**Manufacturer :** Momentive Performance Materials Japan LLC  
Akasaka Park Building  
5-2-20 Akasaka, Minato-ku  
Tokyo Japan

**Distributor Information :** DC Products Pty Limited  
Unit 117 45 Gilby Road  
Mount Waverley 3149 Australia

**Contact person :** Viren Kumar

**Telephone :** +61 3 95588898

**Emergency telephone number  
Supplier :** 61 418 529 118

## 2 Hazard(s) identification

**GHS classification:**

**GHS label elements**

**Symbol(s):**

**Signal Word:** none

**Hazard Statement(s):**

**Precautionary Statement  
Prevention:** not applicable

**Response:** not applicable

**Storage:** not applicable

**Disposal:** not applicable

**Other hazards which do not  
result in GHS classification:** None.

**Main symptoms and emergency overview**

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**Main symptoms:** No data available.

**Emergency Overview:** No data available.

**3 Composition/information on ingredients**

**Chemical nature:** Polydimethylsiloxane

**Substance**

**Composition Comments:** No hazardous ingredients.

**4 First-aid measures**

**Inhalation:** "If inhaled, move victim to fresh air and seek medical attention."

**Eye contact:** Flush thoroughly with water for at least 15 minutes. Get medical assistance.

**Skin Contact:** Wash with plenty of water/... Get medical attention promptly if symptoms occur after washing.

**Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. Do not give victim anything to drink if he is unconscious. Get medical attention if any discomfort continues.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

**Hazards:** No data available.

**5 Fire-fighting measures**

**Extinguishing media:** Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media:** No data available.

**6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Keep unprotected persons away. Remove sources of ignition. Use personal protective equipment. Keep upwind.

**Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.

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<b>Methods or materials for containment and cleaning up:</b>	Put in an empty container for recovery after preventing spill by sand or sandbags,if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material,if the amount of spill is small.
<b>Prevention of secondary hazards:</b>	No data available.

**7 Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Provide adequate general and local exhaust ventilation. Eyewash bottle with clean water.

**Safe handling advice:** Wear suitable protective clothing, gloves and eye/face protection. Keep away from sources of ignition - No smoking. Ground container and transfer equipment to eliminate static electric sparks.

**Contact avoidance measures:** No data available.

**Hygiene measures:** No data available.

**Storage**

**Safe storage conditions:** Store in a dark, cool place indoors, with container tightly closed.

**Safe packaging materials:** No data available.

**8 Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits:**  
None known.

**Personal protective equipment (ppe)**

**Respiratory Protection:** Not applied

**Eye Protection:** Safety glasses with side shields

**Hand Protection:** No data available.

**Skin and Body Protection:** Chemical resistant clothing Wear rubber boots.

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**9 Physical and chemical properties**

**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	not applicable
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	No data available.
<b>Flash Point:</b>	310 °C
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Density:</b>	0.96 g/cm <sup>3</sup> (25 °C)
<b>Vapor density:</b>	> 1.0
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Insoluble
<b>Solubility (other):</b>	Soluble in toluene
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Auto-ignition temperature:</b>	450 °C
<b>Decomposition temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	50 mm <sup>2</sup> /s

**10 Stability and reactivity**

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No data available.

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<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	The catalysis of strong acids or bases cause polymerization or decomposition.
<b>Hazardous Decomposition Products:</b>	Carbon dioxideSilicon dioxide.Formaldehyde.At temperatures above 150'C (302'F) in the presence of air, product may form formaldehyde. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and can irritate eyes, nose, and throat.

**11 Toxicological information**

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**  
**Product:** LD 50 (Rat, male and female): > 5,000 mg/kg Literature Reference

**Dermal**  
**Product:** LD 50 (Rabbit: > 10,000 mg/kg Literature Reference

**Inhalation**  
**Product:** No data available.

**Repeated dose toxicity**  
**Product:** (Mouse, Oral, 5 d): 25 mg/kg No adverse effects due to ingestion are expected.

**Skin Corrosion/Irritation**  
**Product:** (Rabbit): No skin irritation Literature Reference

**Serious Eye Damage/Eye Irritation**  
**Product:** (Rabbit): No eye irritation Literature Reference

**Respiratory or Skin Sensitization**  
**Product:** Magnusson-Kligmann, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): negative Did not cause sensitization on laboratory animals. Literature Reference

**Carcinogenicity**  
**Product:** No data available.

**Japan Society for Occupational Health: Carcinogen:**  
 No carcinogenic components identified

**Japan. ISHL Designated Carcinogen:**  
 No carcinogenic components identified

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**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:** Ames-Test: negative (not mutagenic) Literature Reference

**In vivo**

**Product:** Dominant lethal assay (OECD 478) (Mouse): negative (not mutagenic)

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

<b>12 Ecological information</b>
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**Ecotoxicity:**

**Acute hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

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**Biodegradation**  
Product: No data available.

**BOD/COD Ratio**  
Product: No data available.

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**  
Product: No data available.

**Partition Coefficient n-octanol / water (log Kow)**  
Product: No data available.

**Mobility**  
Mobility in Soil: No data available.

**Known or predicted distribution to environmental compartments**

**Hazardous to the ozone layer:** No data available.

**Other Adverse Effects:** No data available.

**13 Disposal considerations**

**General information:** none

**Disposal methods:** This product falls under Industrial Waste (Waste Oil) based on Wastes Disposal and Public Cleansing Law. Dispose of in accordance with this law and local regulations.

**Contaminated Packaging:** No data available.

**14 Transport information**

**International regulations**

**IMDG - International Maritime Dangerous Goods Code**

Not regulated.

**IATA**

Not regulated.

**National Regulations**

**Domestic Standard:** In compliance with domestic law.

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**15 Regulatory information**

**Law concerning Pollutant Release and Transfer Register**

**PRTR and Promotion of Chemical Management Law, new regulated substances (Cabinet Order No. 356, 2008):**

**Specified Class 1 substance(s):** not applicable

**Class 1 Substance(s):** not applicable

**Class 2 Substance(s):** not applicable

**Industrial Safety and Health Act:**

**Article 57-2 Regulated Substance(s):** None Reported

**Article 57 Regulated Substance(s) subject to labeling:** None Reported

**ISHL Organic Solvents**

**ISHL Designated or Specified Chemical Substances**

**Poisonous and Deleterious Substances Control Act:**

**Specified poisonous substance(s):**

**Main law:** not applicable

**Cabinet order:** not applicable

**Poisonous Substance(s): Main**

**law:** not applicable **Cabinet**

**order:** not applicable

**Deleterious Substance(s): Main**

**law:** not applicable **Cabinet**

**order:** not applicable

**High Pressure Gas Safety Law**

not applicable

**Fire Service Law:**

Designated combustible materials: Flammable liquid

No fire

**Japan CSCL: Priority Assessment Chemical Substances:** not applicable

**Act on Prevention of Marine Pollution and Maritime Disaster:** not applicable

**Inventory Status**

Australia AICS: y (positive listing)

EU EINECS List: y (positive listing)

Japan (ENCS) List: y (positive listing)

Remarks: None.

Remarks: None.

Remarks: None.



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China Inventory of 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. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None.

**16 Other Information**

**Revision Information:**

**Issue Date:** 09/14/2016  
**SDS No.:**  
**Disclaimer:**

**Notice to reader**

This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.

**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.

**Literature Reference:** No data available.