

XC99-A8808CA

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: XC99-A8808CA

INDEX No. not applicable  
CAS-No. 68554-70-1  
EC No. -

REACH Registration No.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Industrial use Cosmetic ingredient

Uses advised against: Not known.

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials Japan LLC  
Akasaka Park Building  
5-2-20 Akasaka, Minato-ku  
Tokyo Japan

**Contact person** : commercial.services@momentive.com

**Telephone** : +81-3-5544-3100

**Telefax** : +81-3-5544-3101

**Emergency telephone number** : +81-276-31-1468

**Responsible Department** : +81-276-31-4118 (night / weekend)  
Product Stewardship & Compliance Group

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Not classified

**2.2 Label Elements** not applicable  
**Additional Information:** No data available.

**2.3 Other hazards** Risk of dust explosion:

## SECTION 3: Composition/information on ingredients

**Chemical nature:** Methyl silsesquioxane

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**3.1 Substances**

<b>General information:</b>	No hazardous ingredients.
<b>Chemical name</b>	
<b>INDEX No.:</b>	not applicable
<b>CAS-No.:</b>	68554-70-1
<b>EC No.:</b>	
<b>REACH Registration No.:</b>	
<b>M-Factor:</b>	No data available.

**SECTION 4: First aid measures**

**General:** Get medical attention if symptoms occur.

**4.1 Description of first aid measures**

<b>Inhalation:</b>	Move to fresh air. Get medical attention if symptoms occur.
<b>Eye contact:</b>	In the event of contact with the eyes, rinse thoroughly with clean water. Get medical attention if symptoms occur.
<b>Skin Contact:</b>	Wash area with soap and water. Get medical attention if symptoms occur.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Give a glass of water. Consult a physician for specific advice.

**4.2 Most important symptoms and effects, both acute and delayed:** None known.

**4.3 Indication of any immediate medical attention and special treatment needed**

<b>Hazards:</b>	No information about adverse effects due to exposure.
<b>Treatment:</b>	If swallowed, do NOT induce vomiting. Give a glass of water.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** If fine dust is formed from this product, avoid dispersion of dust in air to reduce fire and explosion hazard. Move containers from fire area if you can do so without risk.

**5.1 Extinguishing media**

<b>Suitable extinguishing media:</b>	All standard extinguishing agents are suitable.
<b>Unsuitable extinguishing media:</b>	Avoid water in straight hose stream; will scatter and spread fire.

**5.2 Special hazards arising from the substance or mixture:** In case of fire, carbon monoxide and carbon dioxide may be formed.

**5.3 Advice for firefighters**

**Special fire fighting procedures:** Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

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**Special protective equipment for fire-fighters:**

Wear self-contained breathing apparatus and protective clothing.

**SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures:** Avoid dust formation. Use personal protective equipment.
- 6.2 Environmental Precautions:** Avoid discharge into drains, water courses or onto the ground.
- 6.3 Methods and material for containment and cleaning up:** Sweep up spilled substance and remove to safe place. Do not use compressed air when cleaning.
- 6.4 Reference to other sections:** Avoid spreading dust or contaminated materials. Remove sources of ignition.

**SECTION 7: Handling and storage:**

- 7.1 Precautions for safe handling:** Avoid dust formation. Avoid contact with eyes. Use only in well-ventilated areas. Avoid generation and spreading of dust.
- Storage conditions:** Keep container tightly closed. Keep away from sources of ignition - No smoking. Keep away from heat, sparks and open flame.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry and cool place.
- Storage Stability:** Material is stable under normal conditions.
- 7.3 Specific end use(s):** No data available.

**SECTION 8: Exposure controls/personal protection**

- 8.1 Control Parameters**
  - Occupational Exposure Limits**

None of the components have assigned exposure limits.
  - Biological Limit Values**

None.
- 8.2 Exposure controls**
  - Appropriate Engineering Controls:** Eyewash bottle with clean water. Ventilate as needed to control airborne dust. Use explosion-proof ventilation equipment if airborne dust levels are high. Observe good industrial hygiene practices.
  - Individual protection measures, such as personal protective equipment**
    - General information:** Eyewash bottle with clean water. Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Safety shower. Wash hands after handling. Practice good housekeeping. Avoid contact with skin and eyes. Avoid dust formation.
    - Eye/face protection:** Safety glasses with side-shields conforming to EN166
    - Skin protection**

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<b>Hand Protection:</b>	Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.
<b>Other:</b>	Wear suitable protective clothing and eye/face protection.
<b>Respiratory Protection:</b>	Respiratory protection complying with EN 143. Use respiratory equipment with particle filter, type P1. Use respiratory equipment with particle filter, type P1.
<b>Hygiene measures:</b>	Observe good industrial hygiene practices.
<b>Environmental exposure controls:</b>	No release to wastewater from process as such, wastewater emissions limited to release generated from final equipment cleaning step using water.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

<b>Physical state:</b>	solid
<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	not applicable
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	not applicable
<b>Vapor density (air=1):</b>	Negligible
<b>Density:</b>	1,32 g/cm <sup>3</sup> (25 °C)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	immiscible
<b>Solubility (other):</b>	Insoluble
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No decomposition if stored and applied as directed.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

**9.2 Other information**

<b>Dust Explosion Description Number Kst:</b>	estimated 57 m.b./s
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**Minimum ignition energy:**  $\geq 1.000 \text{ mJ}$

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity:** Material is stable under normal conditions.
- 10.2 Chemical Stability:** Material is stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** Hazardous polymerisation does not occur.
- 10.4 Conditions to avoid:** Material can accumulate static charges which may cause an incendiary electrical discharge. Ground container and transfer equipment to eliminate static electric sparks. Avoid conditions which create dust.
- 10.5 Incompatible Materials:** None known.
- 10.6 Hazardous Decomposition Products:** Carbon dioxide 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.

**SECTION 11: Toxicological information**

**Information on likely routes of exposure**

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

**11.1 Information on toxicological effects**

**Acute toxicity**

**Oral**

**Product:** LD 50 (Rat):  $> 6.000 \text{ mg/kg}$   
**Specified substance(s)**

**Dermal**

**Product:** Not classified for acute toxicity based on available data.  
**Specified substance(s)**

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.  
**Specified substance(s)**

**Repeated dose toxicity**

**Product:**  
**Specified substance(s)**

**Skin Corrosion/Irritation:** Not irritating  
**Product:** (Rabbit): Non irritating

**Specified substance(s)**  
**Serious Eye Damage/Eye Irritation:** Not irritating

**Product:** (Rabbit): No eye irritation

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**Specified substance(s)**

**Respiratory or Skin**

**Sensitization:**

**Product:**

Did not cause sensitization on laboratory animals.

Magnusson-Kligmann (Guinea Pig): negative

**Specified substance(s)**

**Germ Cell Mutagenicity**

**In vitro**

**Product:**

Ames-Test: negative (not mutagenic)

**In vivo**

**Product:**

No data available.

**Carcinogenicity**

**Product:**

No data available.

**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.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:**

No data available.

**Aquatic Invertebrates**

**Product:**

No data available.

**Chronic Toxicity**

**Fish**

**Product:**

No data available.

**Aquatic Invertebrates**

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**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product** No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

**12.5 Results of PBT and vPvB assessment:**

No data available.

**12.6 Other adverse effects:**

No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:**

The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protective equipment. Do not discharge into drains, water courses or onto the ground.

**Disposal methods:**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: Transport information**

**ADR**

Not regulated.

**ADN**

Not regulated.

**RID**

Not regulated.

**IMDG**

Not regulated.

**IATA**

SDS\_GB

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Not regulated.

**14.6 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 foodstuffs and animal feed.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:**

not applicable

**SECTION 15: Regulatory information**

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

**EU Regulations**

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 649/2012 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:** none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:** none

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**Inventory Status**

Australia AICS:	y (positive listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
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.



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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.

**SECTION 16: Other information**

**Revision Information:** Not relevant.

**Key literature references and sources for data:** No data available.

**Wording of the H-statements in section 2 and 3:** none

**Training information:** No data available.

**Issue Date:** 03.07.2017

**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.