

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Trade name : TOSPEARL 3120

Product Code : M00000007014

Company Name : Momentive Performance Materials Japan LLC

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**2. HAZARDS IDENTIFICATION****GHS classification:**

Explosives; Classification not possible

Flammable gas.; Not applicable

Flammable aerosol.; Not applicable

Oxidizing gases; Not applicable

Gases under pressure; Not applicable

Flammable liquids; Not applicable

Flammable solid.; Classification not possible

Self-reactive substances and mixtures; Classification not possible

Pyrophoric liquids; Not applicable

Pyrophoric solids; Classification not possible

Self-heating substances and mixtures; Classification not possible

Substances and mixtures, which in contact with water, emit flammable gases; Classification not possible

Oxidizing liquids; Not applicable

Oxidizing solids; Classification not possible

Organic peroxides; Classification not possible

Corrosive to metals; Classification not possible

Acute toxicity; Not classified; Oral

Acute toxicity; Classification not possible; Dermal

Acute toxicity; Not applicable; Inhalation - gas

Acute toxicity; Classification not possible; Inhalation - vapour

Acute toxicity; Classification not possible; Inhalation - dust and mist

Skin corrosion/irritation; Not classified

Serious eye damage/eye irritation; Not classified

Respiratory sensitizer; Classification not possible

Skin sensitizer; Classification not possible

Germ cell mutagenicity; Classification not possible

Carcinogenicity; Classification not possible

Toxic to reproduction; Classification not possible

**SAFETY DATA SHEET****TOSPEARL 3120**

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Specific target organ toxicity - single exposure; Classification not possible  
Specific target organ toxicity - repeated exposure; Classification not possible  
Aspiration hazard; Classification not possible  
Acute hazards to the aquatic environment; Classification not possible  
Chronic hazards to the aquatic environment; Classification not possible

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Pure substance/mixture**

Pure

**Chemical nature**

Methyl silsesquioxane

**Poisonous and Deleterious Substances Control Law**

Not applicable

**4. FIRST AID MEASURES**

Inhalation : "If inhaled, move victim to fresh air and seek medical attention."  
Skin contact : Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.  
Eye contact : Flush thoroughly with water for at least 15 minutes. Get medical assistance.  
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.

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Extinguish with foam, carbon dioxide or dry powder.  
Special Fire Fighting Procedures : Remove sources of combustibles. Extinguish the fire using fire-fighting media listed above. Cool surrounding tanks, buildings and so on by spraying with water to prevent the fire extension.  
The fire fighting should be done from the windward side, with suitable respiratory protective device, if necessary.

**6. ACCIDENTAL RELEASE MEASURES**

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

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emergency procedures

Methods for cleaning up : Wipe, scrape or soak up in an inert material and put in a container for disposal.

## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling : "Wear eye, hand and respiratory protection when in handling."  
Avoid generation and spreading of dust.

### Storage

Requirements for storage areas and containers : Store without direct rays of the sun, high temperature and humidity, container should be tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering measures

Provide adequate general and local exhaust ventilation.  
Eyewash bottle with clean water.

### Personal protective equipment (ppe)

Respiratory Protection : Use specified dust masks.  
Hand protection : Advice: Rubber or plastics gloves  
Eye protection : Safety glasses with side-shields conforming to EN166  
Skin and Body Protection : Chemical resistant clothing  
Wear rubber boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : powder  
Color : White  
Odor : Odorless

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M00000007014**Safety data**

pH	: No data available.
Melting Point	: Melting point (°C) Not applied
Boiling point/boiling range	: Not applied
Flash Point	: Not applicable
Autoignition Temperature	: Not applied
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applied
Vapour pressure	: No data available.
Density	: 1.3 g/cm <sup>3</sup> at 25 °C
Solubility/qualitative	: Insoluble
Water solubility	: immiscible
Solubility in other solvents	: No data available.
Relative Vapor Density	: Negligible
Miscibility with water	: immiscible

**10. STABILITY AND REACTIVITY**

Materials to Avoid	: No data available.
Further Information	: Material is stable under normal conditions.
Hazardous decomposition products	: This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	: LD50 Rat male and female Dose: > 6,000 mg/kg
Acute inhalation toxicity	: No data available.

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Acute dermal toxicity : No data available.

Skin irritation. : Rabbit  
Exposure time: 4 h  
Classification: No skin irritation

Eye irritation : Rabbit  
Classification: No eye irritation

Sensitization : Magnusson-Kligmann Guinea Pig  
Result: negative  
Classification: Did not cause sensitization on laboratory animals.

Acute toxicity (other routes of administration) : No data available.

Mutagenicity : Salmonella/Microsome-test: No indication of mutagenic effects.

**Further Information**

The health hazard evaluation is based on the toxicological properties of a similar material.

**12. ECOLOGICAL INFORMATION****Elimination information (persistence and degradability)**

Persistence and degradability : No data available.

Additional ecological information : Ecotoxicological data for this product is not available.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION****Japan Dangerous Goods Regulatory Information:**

Not Dangerous substance under JFSL

Not classified as dangerous in the meaning of transport regulations.

**15. REGULATORY INFORMATION****Inventories**

Australia Inventory of Chemical Substances (AICS)	y (positive listing)	
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
Canada DSL Inventory	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

National legislation

**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 Law:****Article 57-2 Regulated Substance(s):** None Reported**Article 57 Regulated Substance(s) subject to labeling:** None Reported**Poisonous and Deleterious Substances Control Law:****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

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**High Pressure Gas Safety Law**  
**High Pressure Gases, Article 2:** Not Applicable

**Law Concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances.:** Not Applicable

## 16. OTHER INFORMATION

Literature Reference : ACGIH TLV for Chemical Substances  
Chemical safe administration data book (The Chemical Daily Co., Ltd.)

Precautions : 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.

Other precautions : Other (an address, and telephone and fax numbers for information, references)  
The information herein is made based on references, information and data available at present. It may be revised when new information is available. The descriptions herein are for normal handling. For special applications, make safety provisions suitable to them prior to use.

The physical properties and other values indicated on this document are average values expected for the product and are not guaranteed.

### 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.