

TSM650

# SAFETY DATA SHEET

## 1 Product and company identification

**Name of chemical (Product name)** : TSM650

**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@dcproducts.com.au

**Telephone** : +61 3 9558 8898

**Emergency telephone number:** : + 61 418 529118

## 2 Hazard(s) identification

**GHS classification:**

No classification

**GHS label elements:**

**Pictograms:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary Statements:**

**Prevention:** Not applicable

**Response :** Not applicable

**Storage:** Not applicable

**Disposal:** Not applicable

**Other hazards which do not result in classification :**  
none

## 3 Composition/information on ingredients

**Chemical nature:** Silicone compound

**TSM650**

**Mixtures**

Chemical Identity	CAS number	Concentration*
BISPHENOL A- EPICHLOROHYDRIN RESIN	25068-38-6	0.1 - 1.0%

\* 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, move victim to fresh air and seek medical attention.
- Skin Contact:** Wash with soap and water. Consult a physician for specific advice.
- Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water.
- Most important symptoms/effects, acute and delayed**
- Symptoms:** None known.
- 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:** Evacuate people on the leeward.  
 Keep people away from the area.  
 Remove sources of ignition.  
 Wear proper protective equipment when in work.  
 Work from the windward side.  
 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 Use personal protective equipment. Keep upwind.
- Environmental Precautions:** Prevent runoff from entering drains, sewers, or streams.
- Methods or materials for containment and cleaning up:** 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.
- Prevention of secondary hazards:** No data available.

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**7 Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Provide adequate ventilation.

**Safe handling advice:** Wear suitable protective clothing, gloves and eye/face protection.

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

**Hygiene measures:** It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.

**Storage**

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

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

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**8 Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits:**  
 None known.

**Personal protective equipment (ppe)**

**Respiratory Protection:** Not applied

**Hand Protection:** Chemical resistant gloves

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

**Skin and Body Protection:** Wear rubber boots.

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**9 Physical and chemical properties**

**Physical state:** liquid  
**Form:** liquid  
**Color:** White  
**Odor:** Faint  
**Odor threshold** No data available.  
**Melting point/freezing point** No data available.  
**Initial boiling point and boiling range** No data available.  
**Flammability** No data available.  
**Upper/lower limit on flammability or explosive limits**  
     **Flammability limit - upper (%):** No data available.  
     **Flammability limit - lower (%):** No data available.  
     **Explosive limit - upper:** No data available.  
     **Explosive limit - lower:** No data available.  
**Flash Point** 300 °C  
**Evaporation rate** No data available.

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<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition temperature</b>	No data available.
<b>SADT</b>	No data available.
<b>pH</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water)Log Pow</b>	No data available.
<b>Vapor pressure</b>	No data available.
<b>Density</b>	No data available.
<b>Relative density</b>	No data available.
<b>Vapor density</b>	No data available.

**10 Stability and reactivity**

<b>Reactivity:</b>	No dangerous reaction if used as recommended.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid:</b>	Keep away from sources of ignition - No smoking.
<b>Incompatible Materials:</b>	Contact with acids. Strong alkalis.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Silicon dioxide.

**11 Toxicological information**

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

**Oral**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Components:</b>	
BISPHENOL A- EPICHLOROHYDRIN RESIN	No data available.

**Dermal**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Components:</b>	
BISPHENOL A- EPICHLOROHYDRIN RESIN	No data available.

**Inhalation**

<b>Product:</b>	Not classified for acute toxicity based on available data.
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**Repeated dose toxicity**

**Product:** No data available.

**Skin Corrosion/Irritation**

**Product:** No data available.

**Components:**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**Respiratory sensitization**

**Product:** No data available.

**Components:**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**Skin sensitization**

**Product:** No data available.

**Components:**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**Carcinogenicity**

**Product:** No data available.

**Components:**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**Japan Society for Occupational Health: Carcinogen:**

No carcinogenic components identified

**Japan. ISHL Designated Carcinogen:**

No carcinogenic components identified

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

No carcinogenic components identified

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**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Components:**  
BISPHENOL A- No data available.  
EPICHLOROXYDRIN  
RESIN

**In vivo**

**Product:** No data available.

**Components:**  
BISPHENOL A- No data available.  
EPICHLOROXYDRIN  
RESIN

**Reproductive toxicity**

**Product:** No data available.

**Components:**  
BISPHENOL A- No data available.  
EPICHLOROXYDRIN  
RESIN

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Components:**  
BISPHENOL A- No data available.  
EPICHLOROXYDRIN  
RESIN

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**  
BISPHENOL A- No data available.  
EPICHLOROXYDRIN  
RESIN

**Aspiration Hazard**

**Product:** No data available.

**Components:**  
BISPHENOL A- No data available.  
EPICHLOROXYDRIN  
RESIN

**Other effects:** None.

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**12 Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment**

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**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**Toxicity to microorganisms**

**Product:** No data available.

**Components**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**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.

**Components:**

BISPHENOL A- No data available.

EPICHLOROHYDRIN

RESIN

**Persistence and Degradability**

**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.

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**Mobility in soil:** No data available.  
**Hazardous to the ozone layer:** Not Regulated  
**Further Information:** No data available.

**13 Disposal considerations**

**General information:** none  
**Disposal methods:** This product falls under Industrial Waste based on Wastes Disposal and Public Cleansing Law. Dispose of in accordance with this law and local regulations.  
**Contaminated Packaging:** Dispose of as unused product.

**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.

**15 Regulatory information**

**Japan CSCL:**

**Priority Assessment Chemical Substances:** Poly[2-(chloromethyl)oxirane-alt-4,4'-(propane-2,2-diyl)diphenol]

**Monitoring Chemical Substances:** Not Regulated

**Law concerning Pollutant Release and Transfer Register:**

**Specified Class 1 substance(s):** Not Regulated

**Class 1 Substance(s):** Not Regulated

**Class 2 Substance(s):** Not Regulated

**Industrial Safety and Health Act:**

**Article 57-2 Regulated Substance(s):** Not Regulated

**Article 57 Regulated Substance(s) subject to labeling:** Not Regulated

**Organic Solvent Regulation** Not Regulated



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**Specified Substances Regulation:**

**Class 1 designated chemical substances:**  
 Not Regulated  
**Class 2 designated chemical substances:**  
 Not Regulated  
**Class 3 designated chemical substances:**  
 Not Regulated

**Poisonous and Deleterious Substances Control Act:**

**Specified poisonous substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Poisonous Substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Deleterious Substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Fire Service Law:**

Designated Combustible Material (Synthetic Resins)  
 Keep away from fire

**High Pressure Gas Safety Law:**

Not Regulated

**Act on Prevention of Marine Pollution and Maritime Disaster:**

Not Regulated

**Inventory Status:**

Australia AICS:	y (positive listing)	Remarks: None.
EU EINECS 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.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
Taiwan Chemical Substance Inventory:	y (positive listing)	Remarks: None.

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**16 Other Information**

**Revision Information:** ARGLO\_INVSTSARGHS\_JP  
**Issue Date:** 09/29/2021  
**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.