

TSK550

SAFETY DATA SHEET

1 Product and company identification

Name of chemical (Product name): TSK550

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:

Physical Hazards	Explosives	Classification not possible
	Flammable gas	not applicable
	Chemically unstable gases	not applicable
	Aerosols	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
Health Hazards	Acute toxicity (Oral)	Not classified
	Acute toxicity (Dermal)	Not classified
	Acute toxicity (Inhalation - gas)	not applicable
	Acute toxicity (Inhalation - vapor)	Not classified
	Acute toxicity (Inhalation - dust and mist)	Not classified
	Skin Corrosion/Irritation	Classification not possible
	Serious Eye Damage/Eye Irritation	Classification not possible
	Respiratory sensitizer	Classification not possible

TSK550

	Skin sensitizer	Classification not possible
	Germ Cell Mutagenicity	Classification not possible
	Carcinogenicity	Classification not possible
	Toxic to reproduction	Not classified
	Specific Target Organ Toxicity - Single Exposure	Classification not possible
	Specific Target Organ Toxicity - Repeated Exposure	Classification not possible
	Aspiration Hazard	not applicable
Environmental Hazards	Acute hazards to the aquatic environment	Not classified
	Chronic hazards to the aquatic environment	Not classified
	Hazardous to the ozone layer	Not classified

GHS label elements

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

Main symptoms and emergency overview

Main symptoms: No data available.

Emergency Overview: No data available.

3 Composition/information on ingredients

Chemical nature: Silicone compound

Mixtures

Chemical Identity	CAS number	Concentration*
Silica	Trade secret	1.0 - 10.0%

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

Trade secret information: ** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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 the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

TSK550

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.

Unusual Fire & Explosion Hazards: In case of fire, carbon monoxide and carbon dioxide may be formed.

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.

Protective Measures: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 Accidental release measures

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

Environmental Precautions: No data available.
Methods or materials for containment and cleaning up: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Prevention of secondary hazards: 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.

TSK550

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: Wear rubber boots. Chemical resistant clothing

9 Physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	White
Odor:	Faint
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	220 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	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.

TSK550

Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Density:	No data available.
Vapor density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	450 °C
Decomposition temperature:	No data available.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.

10 Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	None known.
Incompatible Materials:	The catalysis of strong acids or bases cause polymerization or decomposition.
Hazardous Decomposition Products:	Carbon Monoxide. Carbon dioxide Silicon dioxide. 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

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

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

Dermal

Product:

TSK550

Not classified for acute toxicity based on available data.

**Inhalation
Product:**

Not classified for acute toxicity based on available data.

**Repeated dose toxicity
Product:**

No data available.

**Skin Corrosion/Irritation
Product:**

No data available.

**Serious Eye Damage/Eye Irritation
Product:**

No data available.

**Respiratory or Skin Sensitization
Product:**

No data available.

**Carcinogenicity
Product:**

No data available.

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

Germ Cell Mutagenicity

**In vitro
Product:**

No data available.

**In vivo
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.

TSK550

12 Ecological information

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

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

Silica No data available.

Hazardous to the ozone layer: No data available.

TSK550

Other Adverse Effects: 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: 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.

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): Silica

Article 57 Regulated Substance(s) subject to labeling: Silica

ISHL Organic Solvents

ISHL Designated or Specified Chemical Substances

Poisonous and Deleterious Substances Control Act:

Specified poisonous substance(s):

TSK550

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 Material (Synthetic Resins)

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.
not applicable

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

Inventory Status

Australia AICS:	t (temporary special case)
EU EINECS List:	y (positive listing)
Japan (ENCS) List:	y (positive listing)
China Inventory of Existing Chemical Substances:	y (positive listing)
Korea Existing Chemicals Inv. (KECI):	y (positive listing)
Canada DSL Inventory List:	y (positive listing)
Canada NDSL Inventory:	n (Negative listing)
Philippines PICCS:	y (positive listing)
US TSCA Inventory:	y (positive listing)
Taiwan. Taiwan inventory (CSNN):	y (positive listing)

16 Other Information

Revision Information: ARGHS_JP
Issue Date: 06/30/2016
SDS No.:

TSK550

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.