

TSE3664(A)

SAFETY DATA SHEET

1 Product and company identification

Name of chemical (Product name): TSE3664(A)

Manufacturer : Momentive Performance Materials Japan LLC
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5-2-20 Akasaka, Minato-ku
Tokyo Japan

Distributor Information : DC Products Pty Limited
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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 classified
	Flammable solid	not applicable
	Self-reactive substances and mixtures	Classification not possible
	Pyrophoric liquids	Classification not possible
	Pyrophoric solids	not applicable
	Self-heating substances and mixtures	Classification not possible
	Substances and mixtures, which in contact with water, emit flammable gases	Classification not possible
	Oxidizing liquids	Classification not possible
	Oxidizing solids	not applicable
	Organic peroxides	Classification not possible
	Corrosive to metal	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
	Skin sensitizer	Classification not possible

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	Germ Cell Mutagenicity	Classification not possible
	Carcinogenicity	Category 1A
	Toxic to reproduction	Classification not possible
	Specific Target Organ Toxicity - Single Exposure	Category 1 ¹ .
	Specific Target Organ Toxicity - Repeated Exposure	Category 1 ² .
	Specific Target Organ Toxicity - Repeated Exposure	Category 2 ³ .
	Aspiration Hazard	Classification not possible
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

1. respiratory tract
2. testes, respiratory tract, Kidney
3. Lung

GHS label elements

Symbol(s):



Signal Word: Danger

Hazard Statement(s): May cause cancer.
 Causes damage to organs.
 Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response : IF exposed or concerned: Call a POISON CENTER/doctor.

Storage: Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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: Silicone compound

Mixtures

Chemical Identity	CAS number	Concentration*
QUARTZ	14808-60-7	20 - 30%
Zinc carbonate	3486-35-9	16%
Carbon Black	1333-86-4	1 - 10%

* 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.

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.

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.

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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.
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: Remove sources of ignition.

7 Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): Well-ventilated area. Eyewash bottle with clean water.

Safe handling advice: Keep away from sources of ignition - No smoking. Avoid contact with organic compounds containing nitrogen, sulfur, phosphorus,tin and lead, soldering flux, polyvinyl chloride, polyurethane as it may lead to incomplete curing.

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:

Chemical name	Type	Exposure Limit Values	Regulation Sources
QUARTZ - Respirable dust.	CEILING	0.03 mg/m3	Japan. OELs - JSOH. (Japan Society of Occupational Health: Advisory Opinion on Permissible [Exposure] Limits) (05 2014)
Carbon Black - Respirable dust.	TWA	1 mg/m3	Japan. OELs - JSOH. (Japan Society of Occupational Health: Advisory Opinion on Permissible

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Chemical name	Type	Exposure Limit Values	Regulation Sources
Carbon Black - Total dust.	TWA	4 mg/m3	[Exposure] Limits) (05 2014) Japan. OELs - JSOH. (Japan Society of Occupational Health: Advisory Opinion on Permissible [Exposure] Limits) (05 2014)

Personal protective equipment (ppe)

Respiratory Protection:	Not applied
Eye Protection:	Safety glasses with side shields
Hand Protection:	Chemical resistant gloves
Skin and Body Protection:	Wear rubber boots. Chemical resistant clothing

9 Physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Gray
Odor:	Faint
Odor threshold:	No data available.
pH:	not applicable
Melting point/freezing point:	Not applied
Initial boiling point and boiling range :	Not applied
Flash Point:	300 °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.
Explosive limit - lower (%):	No data available.
Vapor pressure :	No data available.
Density:	1.41 g/cm3 (23 °C)
Vapor density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	Insoluble
Solubility (other):	Insoluble
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	450 °C

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Decomposition temperature: No decomposition if stored and applied as directed.
SADT: No data available.
Viscosity, dynamic: No data available.
Viscosity, kinematic: 4,000 mm²/s (23 °C)

10 Stability and reactivity

Reactivity: No dangerous reaction if used as recommended.

Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No data available.

Conditions to avoid: Keep away from heat, sparks and open flame.

Incompatible Materials: The catalysis of strong acids or bases cause polymerization or decomposition.

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

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: 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

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Product: No data available.

**Carcinogenicity
Product:** No data available.

Japan Society for Occupational Health: Carcinogen :

QUARTZ Overall evaluation: 1. Carcinogenic to humans.
Carbon Black Overall evaluation: 2B. Possibly carcinogenic to humans.

Japan. ISHL Designated Carcinogen:

No carcinogenic components identified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

QUARTZ Overall evaluation: 1. Carcinogenic to humans.
Carbon Black Overall evaluation: 2B. Possibly carcinogenic to humans.

ACGIH Carcinogen List:

US. National Toxicology Program (NTP) Report on Carcinogens:

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.

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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

QUARTZ No data available.

Zinc carbonate No data available.

Carbon Black No data available.

Hazardous to the ozone layer: No data available.

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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): Zinc carbonate, (cabinet order no 1)**Class 2 Substance(s):** not applicable

Industrial Safety and Health Act:

Article 57-2 Regulated Substance(s): Crystalline Silica, Carbon black,

Article 57 Regulated Substance(s) subject to labeling: Crystalline Silica, Carbon black,

ISHL Organic Solvents

ISHL Designated or Specified Chemical Substances

Poisonous and Deleterious Substances Control Act:

Specified poisonous substance(s):

Main law: not applicable

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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)	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.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: On TSCA Inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.

16 Other Information

Revision Information: ARGLO_INVSTSARGHS_JP
Issue Date: 02/27/2018
SDS No.:

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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 safehandling, 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.