

YG6240

SAFETY DATA SHEET

1 Product and company identification

Name of chemical (Product name) : YG6240

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 : +81-3-5544-3111
+81-276-31-4118 (night / weekend)

Responsible Department : Product Stewardship & Compliance Group

2 Hazard(s) identification

GHS classification:

Environmental Hazards:

Acute hazards to the aquatic environment	Category 1
Chronic hazards to the aquatic environment	Category 1

GHS label elements:

Pictograms:



Signal Word: Warning

Hazard Statement: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention: Avoid release to the environment.

Response: Collect spillage.

Storage: Not applicable

YG6240

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 classification:
none

3 Composition/information on ingredients

Chemical nature: Silicone compound

Mixtures

Chemical Identity	CAS number	Concentration*
Zinc oxide	1314-13-2	60 - 70%

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

4 First-aid measures

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

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

Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. Never give liquid to an unconscious person.

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.

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.

YG6240

- 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):** Provide adequate ventilation. Provide eyewash station and safety shower.
- Safe handling advice:** Use only in well-ventilated areas. Wear appropriate personal protective equipment.
- Contact avoidance measures:** Eyewash bottle with clean water. Use only in well-ventilated areas. When using do not eat, drink or smoke. Wear suitable gloves and eye/face protection.
- Hygiene measures:** Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

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
Zinc oxide - Respirable dust.	TWA	1 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)
Zinc oxide - Total dust.	TWA	4 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)
Zinc oxide - Dust.	TLV	0.025 mg/m3	Japan. OELs - ISHL. (Workplace Environment Assessment Standards), as amended (04 2020)

Personal protective equipment (ppe)

- Respiratory Protection:** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

YG6240

Hand Protection: Chemical resistant gloves
Eye Protection: Safety glasses with side shields
Skin and Body Protection: Chemical resistant clothing Wear rubber boots.

9 Physical and chemical properties

Physical state: solid
Form: Paste
Color: White
Odor: Odorless
Odor threshold No data available.
Melting point/freezing point Not applicable
Initial boiling point and boiling range Not applicable
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 320 °C
Evaporation rate No data available.
Auto-ignition temperature 450 °C
Decomposition temperature No data available.
SADT No data available.
pH No data available.
Viscosity, dynamic: No data available.
Viscosity, kinematic: No data available.
Solubility(ies)
 Solubility in water: Insoluble
 Solubility (other): Insoluble
Partition coefficient (n-octanol/water)Log Pow No data available.
Vapor pressure No data available.
Density 2.46 g/cm³ (25 °C)
Relative density No data available.
Vapor density No data available.

10 Stability and reactivity

Reactivity: No dangerous reaction if used as recommended.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: None known.

YG6240

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 SDS for formaldehyde is available from Momentive.

11 Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

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

Components:

Zinc oxide LD 50 (Rat): > 5,000 mg/kg

Dermal

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

Components:

Zinc oxide No data available.

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.

Components:

Zinc oxide (Rabbit): No skin irritation

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Zinc oxide (Rabbit): slightly irritating (not classified according to the German Dangerous Substances legislation)
 No data available.

Respiratory sensitization

Product: No data available.

Components:

Zinc oxide No data available.

Skin sensitization

YG6240

Product: No data available.

Components:
Zinc oxide No data available.

Carcinogenicity
Product: No data available.

Components:
Zinc oxide 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.

Components:
Zinc oxide No data available.

In vivo
Product: No data available.

Components:
Zinc oxide No data available.

Reproductive toxicity
Product: No data available.

Components:
Zinc oxide No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Components:
Zinc oxide No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Components:
Zinc oxide No data available.

Aspiration Hazard
Product: No data available.

Components:
Zinc oxide No data available.

YG6240

Other effects: No data available.

12 Ecological information

Ecotoxicity:

Acute 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:

Zinc oxide No data available.

Toxicity to microorganisms

Product: No data available.

Components

Zinc oxide EC0 (*Pseudomonas aeruginosa*): 500 mg/l

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:

Zinc oxide 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.

YG6240

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Hazardous to the ozone layer: No data available.

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

UN number or ID number	UN3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)
Class	9
Packing Group	III
Label(s)	9
Subsidiary risk label	
Marine Pollutant	Yes

EmS No. F-A; S-F

IATA

UN number or ID number:	UN 3077
Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.(zinc oxide)
Transport Hazard Class(es):	
Class:	9
Label(s):	9MI
Packing Group:	III
Environmental Hazards:	Environmentally hazardous
Marine Pollutant:	Yes

National Regulations

Domestic Standard: In compliance with domestic law.

15 Regulatory information

YG6240

Japan CSCL:

Priority Assessment Chemical Substances: Not Regulated

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): ZINC OXIDE;

**Article 57 Regulated Substance(s)
 subject to labeling:** ZINC OXIDE

Organic Solvent Regulation Not Regulated
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

YG6240

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.
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. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None.

16 Other Information

Revision Information: ARGHS_JP

Issue Date: 11/26/2021

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.