



MATERIAL SAFETY DATA SHEET

Version: 1.2
05/19/2014

YG6111 THERMALLY CONDUCTIVE GREASE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name: Momentive Performance Materials LLC

Distributor Information: DC Products Pty Ltd
Unit 117, 45 Gilby Road
Mount Waverley,
VIC 3149 Australia

Contact Person: Viren Kumar
Telephone: +61 3 95588898

Emergency Contact : 61 418529118

Chemical Family/Use: Silicone fluid
Formula: Mixture

HMIS

Health: 1 Flammability: 1 Reactivity: 0

NFPA

Health: 1 Flammability: 1 Reactivity: 0

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! Avoid contact with eyes.

Form: Paste

Color: White

Odor: Faint

POTENTIAL HEALTH EFFECTS

INGESTION

None known.

SKIN

Plant experience has shown that skin hazard is not applicable in this form.

INHALATION

None known.

EYES

May cause eye irritation.

MEDICAL CONDITIONS AGGRAVATED

None known.

**YG6111
THERMALLY CONDUCTIVE GREASE****SUBCHRONIC (TARGET ORGAN)**

None known.

CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

ROUTES OF EXPOSURE

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS-No.</u>	<u>WGT. %</u>
<u>A. HAZARDOUS</u>		
Zinc oxide	1314-13-2	30 - 60 % 10 -
Aluminum oxide	1344-28-1	30 %
<u>B. NON-HAZARDOUS</u>		
Polydimethylsiloxane	63148-62-9	10 - 30 %

4. FIRST AID MEASURES**INGESTION**

If swallowed, do NOT induce vomiting. Give a glass of water.

SKIN

Wash area with soap and water.

INHALATION

Move to fresh air.

EYES

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**YG6111
THERMALLY CONDUCTIVE GREASE****NOTE TO PHYSICIAN**

None known.

5. FIRE-FIGHTING MEASURES

FLASH POINT: 330 °C; 626 °F
IGNITION TEMPERATURE: 450.00 °C; 842 °F
FLAMMABLE LIMITS LEL: No data available.
FLAMMABLE LIMITS UEL: No data available.

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Use only with adequate ventilation. Avoid contact with eyes. Keep out of reach of children. Curing releases vapors which may be harmful.

STORAGE

Store at room temperature in the original container. Keep container closed.

**YG6111
THERMALLY CONDUCTIVE GREASE****8. EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS**

Eye wash facilities and emergency shower must be available when handling this product.

RESPIRATORY PROTECTION

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

PROTECTIVE GLOVES

Cloth gloves.

EYE AND FACE PROTECTION

Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

Component	CAS-No.	Source	Value
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°C):	Not applicable
VAPOR PRESSURE (20 C) (MM HG):	No data available.
FREEZING POINT:	No data available.
PHYSICAL STATE:	Paste Faint
ODOR:	White
Color:	No data available.
SPECIFIC GRAVITY:	2.46 g/cm ³
DENSITY:	No data available.
ACID / ALKALINITY (MEQ/G):	Not applicable
pH:	Insoluble
SOLUBILITY IN WATER (20 C):	

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SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): No data available.
VOLATILE ORGANIC CONTENT: No data available.

10. STABILITY AND REACTIVITY**STABILITY**

Stable

HAZARDOUS POLYMERIZATION.

Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide; Formaldehyde.; Silicon dioxide.; Toxic metal fumes.; 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 has been classified by the National Toxicology Program as a known human carcinogen. An (M)SDS for formaldehyde is available from Momentive.

INCOMPATIBLE MATERIALS

Avoid contact with acids and oxidizing substances.

CONDITIONS TO AVOID

Keep away from sources of ignition - No smoking.

11. TOXICOLOGICAL INFORMATION**ACUTE ORAL**

Remarks: No data available.

ACUTE DERMAL

Remarks: No data available.

ACUTE INHALATION

Remarks: No data available.

OTHER

None.

SENSITIZATION

No data available.

**YG6111
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No data available.

EYE IRRITATION

No data available.

MUTAGENICITY

No data available.

12. ECOLOGICAL INFORMATION**ECOTOXICITY**

No data available.

DISTRIBUTION

No data available.

CHEMICAL FATE

No data available.

13. DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
DOT HAZARD CLASS:	9
DOT LABEL (S):	9
UN/NA NUMBER:	UN3077
PACKING GROUP:	III
IMDG SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)
CLASS:	9
IMDG-Labels:	9
UN NUMBER:	UN3077
PACKING GROUP:	III
EmS No.:	F-A; S-F

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IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)
CLASS: 9
ICAO-Labels: 9MI
UN NUMBER: UN3077
PACKING GROUP: III

Further Information: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. REGULATORY INFORMATION**Inventories**

Australia Inventory of Chemical Substances (AICS)	y (positive listing)
Canada DSL Inventory	y (positive listing) y
EU list of existing chemical substances	(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 NDSL Inventory	n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)
TSCA list	y (positive listing) y
New Zealand Inventory of Chemicals	(positive listing)

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

US Regulatory Information

SARA (311,312) HAZARD CLASS
Acute Health Hazard

Canadian Regulatory Information

WHMIS CLASSIFICATION
D2B - Toxic Material Causing Other Toxic Effects

**YG6111
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C = ceiling limit NEGL = negligible
EST = estimated NF = none found
NA = not applicable UNKN = unknown
NE = none established REC = recommended
ND = none determined V = recommended by vendor
SKN = skin TS = trade secret
R = recommended MST = mist
NT = not tested STEL = short term exposure limit
ppm = parts per million ppb = parts per billion

By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2). These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.