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GE ALL PURPOSE 268-(300g)-LIGHTGRAY-TH

SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

1. Identification of the substance or mixture and of the supplier

GHS Product identifier: GE ALL PURPOSE 268

Recommended use of the chemical and restrictions on use

Recommended use: Silicone Elastomer Recommended restrictions: Not known.

Supplier's details

Manufacturer/Importer/Distr :

ibutor Information

Momentive Performance Materials (Shanghai) Trading Co., Ltd.

No. 227 Libing Road Zhangjiang Hi-tech Park, Pudong

201203 Shanghai

China

Contact person : commercial.services@momentive.com

Telephone : +86-21-3860-4500 **Telefax** : +86-21-5079-3707

Emergency telephone

number

+86-532-8388-9090(NRCC)/400 120 6011 (Carechem24)

Responsible Department : Product Stewardship & Compliance

2. Hazard(s) identification

Emergency Overview

Appearance

Color: Gray
Form: Paste
Physical state: solid
Odor: Faint

Hazard Statement(s): May cause an allergic skin reaction.

GHS classification of substance or mixture, and national or regional information

Health Hazards

Skin sensitizer Category 1

GHS label elements

Hazard symbol(s):

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Signal Word: Warning

Hazard Statement(s): May cause an allergic skin reaction.

Precautionary statement(s):

Prevention: Wash face, hands and any exposed skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or

rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instructions on this label). Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical

advice/attention.

Disposal: Dispose of contents/ container to an approved facility in accordance

with local, regional, national and international regulations.

Other hazards which do not result

in GHS classification:

None.

Supplemental label information None.

3. Composition/information on ingredients

Chemical nature: Mixture of polydimethylsiloxanes, fillers and cross-linkers.

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
methyl tris-(methyl ethyl ketoximo) silane	22984-54-9	1 - <5%
TITANIUM DIOXIDE	13463-67-7	1 - <5%
butanone oxime vinylsilane	2224-33-1	0.1 - <1%
Aminoethyl aminopropyl trimethoxy silane	1760-24-3	0.1 - <1%
ANTIMONY NICKEL TITANIUMOXIDE YELLOW	8007-18-9	0.1 - <1%
Octamethylcyclotetrasiloxane	556-67-2	0.1 - <1%

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

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(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

4. First-aid measures

Description of necessary first-aid measures

Inhalation: Get medical attention.

Skin Contact: Wash the skin immediately with soap and water.

Eye contact: Rinse immediately with plenty of water and seek medical

advice.

Ingestion: Do not induce vomiting. Get medical attention immediately.

Personal Protection for First-

aid Responders:

No data available.

Most important symptoms/effects, acute and delayed

Symptoms: None known.

Hazards: No data available.

Notes to physician

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: 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.

Means of fire extinguishing

Suitable extinguishing

media:

Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing

media:

Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from

the chemical:

By heating and fire, irritating vapors/gases may be formed. In case of fire, carbon monoxide and carbon dioxide may be formed.

Special protective equipment and precautions for fire-fighters

Special fire-fighting

procedures:

Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective clothing.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep unauthorized personnel away.

Keep upwind.

For non-emergency personnel: Do not allow runoff to sewer, waterway or ground.

For emergency responders: Do not allow runoff to sewer, waterway or ground.

Environmental Precautions: Do not allow runoff to sewer, waterway or ground.

Methods and material 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.

Notification Procedures: Remove sources of ignition.

Other issues relating to spills

and releases:

Take any precaution to avoid mixing with combustibles and other

incompatible materials.

7. Handling and storage

Precautions for safe handling: Keep away from sources of ignition - No smoking. Avoid inhalation of

vapors and spray mists. Use only with adequate ventilation.

Conditions for safe storage,

including any incompatibilities:

Store in the low moisture, dark, cool place below 27°C Keep container

closed.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

secupational Expection			
Chemical Identity	Туре	Exposure Limit Values	Source
TITANIUM DIOXIDE	TWA	8 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (11 2022)
	TWA	8 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (11 2022)
	PC-TWA	8 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (11 2022)
ANTIMONY NICKEL TITANIUMOXIDE YELLOW - as Sb	PC-TWA	0.5 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (11 2022)
ANTIMONY NICKEL TITANIUMOXIDE YELLOW - as Ni	PC-TWA	1 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (11 2022)

This product contains one or more substances with an occupational exposure limit. However, the respirable particle(s) of this/these substance(s) are inextricably bound within the polymer matrix. Therefore, we do not

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expect an exposure to this/these substance(s) during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

Biological Limit Values

Siological Limit values		
Chemical Identity	Exposure Limit Values	Source
ANTIMONY NICKEL	30 μg/l (Urine)	ACGIH BEI (01 2021)
TITANIUMOXIDE		
YELLOW (Nickel:		
Sampling time: End of		
shift at end of work		
week.)		
ANTIMONY NICKEL	85 μg/l (Urine)	CN BLV (08 2019)
TITANIUMOXIDE		
YELLOW (Antimony:		
Sampling time: End of		
shift.)		
Chemical Identity	Exposure Limit Values	Source
Chemical Identity ANTIMONY NICKEL	Exposure Limit Values 30 μg/l (Urine)	Source ACGIH BEI (01 2021)
-	•	
ANTIMONY NICKEL	•	
ANTIMONY NICKEL TITANIUMOXIDE	•	
ANTIMONY NICKEL TITANIUMOXIDE YELLOW (Nickel:	•	
ANTIMONY NICKEL TITANIUMOXIDE YELLOW (Nickel: Sampling time: End of	•	
ANTIMONY NICKEL TITANIUMOXIDE YELLOW (Nickel: Sampling time: End of shift at end of work	•	
ANTIMONY NICKEL TITANIUMOXIDE YELLOW (Nickel: Sampling time: End of shift at end of work week.)	30 μg/l (Urine)	ACGIH BEI (01 2021)
ANTIMONY NICKEL TITANIUMOXIDE YELLOW (Nickel: Sampling time: End of shift at end of work week.) ANTIMONY NICKEL	30 μg/l (Urine)	ACGIH BEI (01 2021)
ANTIMONY NICKEL TITANIUMOXIDE YELLOW (Nickel: Sampling time: End of shift at end of work week.) ANTIMONY NICKEL TITANIUMOXIDE	30 μg/l (Urine)	ACGIH BEI (01 2021)

Appropriate Engineering Controls:

Use only in well-ventilated areas.

Individual protection measures, such as personal protective equipment

General information: Wear suitable gloves and eye/face protection.

Eye/face protection: Safety glasses with side shields

Skin Protection

Hand Protection: Rubber or plastics gloves

Other: Chemical resistant clothing Safety shoes

Respiratory Protection: Gas mask for organic gas if MEKO exposure limits are exceeded (3 ppm 8-

hr TWA, recommended workplace exposure guideline.

Hygiene measures: Avoid contact with eyes, skin, and clothing. Wash hands after handling.

When using do not eat, drink or smoke.

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9. Physical and chemical properties

Appearance

Physical state: solid
Form: Paste
Color: Gray
Odor: Faint

Odor threshold:

pH:

No data available.

No data available.

Melting point/freezing point:

Not applied

Initial boiling point and boiling range:

Not applicable

Flash Point: 81 °C

Evaporation rate: No data available. Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

Flammability limit - lower (%):

Explosive limit - upper:

Explosive limit - lower:

No data available.

Vapor density:No data available.Density:1.03 g/cm3 (23 °C)Relative density:No data available.

Solubility(ies)

Solubility in water: Insoluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water) Log No data available.

Pow:

Auto-ignition temperature: 450 °C

Decomposition temperature: No decomposition if stored and applied as directed.

SADT:

Viscosity, dynamic:

Viscosity, kinematic:

No data available.

No data available.

No data available.

No data available.

10. Stability and reactivity

Reactivity: Reacts with water.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous

reactions:

Hazardous polymerization does not occur.

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

Incompatible Materials: Moisture.

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Hazardous Decomposition

Products:

Reacts with water/moisture liberating Methylethylketoxime (MEKO) = 2-Butanone-oxime. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed

due to oxidative degradation.

Other information: No data available.

11. Toxicological information

General information: Experience has shown, that the above mentioned product can be used

without any danger to health, as long as the usual conditions of industrial

hygiene are observed. This product is not tested.

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity

Oral

Product: No data available.

Specified substance(s):

TITANIUM DIOXIDE LD 50 (Rat): > 10,000 mg/kg

Octamethylcyclotetrasiloxa LD 50 (Rat): > 4,800 mg/kg

ne

Dermal

Product: No data available.

Specified substance(s):

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LD 50LD 50 (Rabbit): > 10,000 mg/kg TITANIUM DIOXIDE

Aminoethyl aminopropyl trimethoxy silane LD 50LD 50 (Rabbit): > 2,000 mg/kg

Octamethylcyclotetrasi

loxane

LD 50LD 50 (Rat): > 2,375 mg/kg

Inhalation

Product: No data available.

Specified substance(s):

LC50 (Rat, 4 h): > 6.8 mg/l TITANIUM DIOXIDE

Octamethylcyclotetrasiloxa

LC50 (Rat, 4 h): 36 mg/l

ne

Repeated dose toxicity

Product: No data available.

Specified substance(s):

Aminoethyl aminopropyl

trimethoxy silane

NOAEL (Rat, Oral, 28 d): >= 500 mg/kg

Skin irritation and corrosion

Product: No data available.

Serious Eye Damage/Eye Irritation

No data available. **Product:**

Respiratory or Skin Sensitization

Product: Causes sensitization on guinea-pigs. No human information is available.

Carcinogenicity

Product: No data available.

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Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxan Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella

typhimurium, Reverse Mutation Assay)): negative (not mutagenic)

Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)

In vivo

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxan Chromosomal aberration (OECD 475) Inhalation (Rat, male and female):

negative

Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

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: Toxicity of methyl ethyl ketoxime (MEKO) liberated when the material is

in touch with water or moisture in the air, or the material is curing. SKIN CONTACT: May cause mild skin irritation. EYE CONTACT: Causes severe eye irritation may damage tissue. ACUTE ORAL TOXICITY: LD50 = 4ml/kg (rat). ACUTE INHALATION: 4-hr LC50 = > 4.8mg/l (rat). INHALATION TOXICITY: Narcotic(central nervous system)effects in high concentrations. Effects were reversible when exposure was ended. Prolonged overexposure causes adverse effects on the blood. SKIN SENSITIVITY: Positive (guinea pig). No allergic reaction to humans.CARCINOGENICITY: A lifetime (about two years) inhalation study in male and female mice and rats revealed that liver tumors were observed in male mice and rats at a high exposure level of 375 ppm. OTHER LONG-TERM EXPOSURE TESTS: Atrophy of nasal epithelium cells was observed in both mice and rats at all concentrations. The effect appeared reversible at lower concentrations. PERMISSIBLE CONCENTRATION: TWA 3 ppm (supplier's recommended value), Keep well ventilated (STEL 10 ppm or less). The WEEL recommended

value of AIHA is TWA 10 ppm.

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12. Ecological information

Ecotoxicity

Acute hazards to the aquatic environment

Fish

Product: No data available.

Specified substance(s):

TITANIUM DIOXIDE LC0 (Leuciscus idus, 48 h): > 1,000 mg/l

Aminoethyl aminopropyl

trimethoxy silane

LC50 (Lepomis macrochirus): > 100 mg/l

Octamethyl cyclotetrasilox a

ne

No toxicity at the limit of solubility; LC50 (Oncorhynchus mykiss, 96 h): >

0.022 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Aminoethyl aminopropyl

trimethoxy silane

EC50 (Daphnia magna, 48 h): 87.4 mg/l

Octamethylcyclotetrasiloxa

ne

No toxicity at the limit of solubility; EC50 (Daphnia magna, 48 h): > 0.015

mg/l

Chronic hazards to the aquatic environment

Fish

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxa

No toxicity at the limit of solubility; NOEC (Oncorhynchus mykiss, 93 d): >=

0.0044 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxa

No toxicity at the limit of solubility; NOEC (Daphnia magna, 21 d): > 0.015

mg/l

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

ne

Product: No data available.

BOD/COD Ratio

Product: No data available.

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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

methyl tris-(methyl ethyl

ketoximo) silane

No data available.

TITANIUM DIOXIDE
butanone oxime vinylsilane
Aminoethyl aminopropyl

No data available.
No data available.
No data available.

trimethoxy silane

ANTIMONY NICKEL

No data available.

TITANIUMOXIDE

YELLOW

Octamethylcyclotetrasiloxane No data available.

Other adverse effects: No data available.

13. Disposal considerations

General information: Do not discharge into drains, water courses or onto the ground. See

Section 8 for information on appropriate personal protective equipment.

Disposal methods

Disposal instructions: Can be incinerated when in compliance with local regulations. This material

is developed and manufactured for industrial applications only.

Contaminated Packaging: Dispose of as unused product.

14. Transport information

National Regulations

China RTDG

Not Regulated.

IATA

Not Regulated.

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IMDG Code

Not Regulated.

Special precautions for user: This product is not regarded as dangerous goods according to the

national and international regulations on the transport of

dangerous goods. Keep away from foodstuffs and animal feed.

keep away from odour sensitive materials

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Product is not transported in bulk.

15. Regulatory information

National Regulations

The following regulations, rules or standards set forth the requirement for the classification, labeling, use, handling, storage and transportation of chemicals.

Regulations on Safety Administration of Hazardous Chemicals, Decree No.591 of the State Council

Catalogue of Hazardous Chemicals (2015 Version)

Regulation of Safety Use Chemicals at Workplace

Regulations on Labor Protection in Workplaces Where Toxic Products Are Used

GB/T 16483: #Safety data sheet for chemical products - Content and order of sections#

GB/T 17519: Guidance on the compilation of safety data sheets for chemical products

GB 15258:#General rules for preparation of precautionary label for industrial chemicals#

GB 30000.2 ~ GB 30000.29: Rules for classification and labelling of chemicals

GB 13690:#General rule for classification and hazard communication of chemicals#

GB 12268:#List of dangerous goods#

GB 6944:#Classification and code of dangerous goods#

GB 190 #Labels for packages of dangerous goods#

GBZ 2.1#Occupational Exposure Limits for Hazardous Agents in the Workplace, Part 1, Chemical Hazardous Agents #

International regulations Montreal Protocol

Not applicable

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Stockholm convention

Not applicable

Rotterdam Convention

Not applicable

Kyoto Protocol

Not applicable

Inventory Status:

Australia Industrial Chem. Act (AIIC):

On or in compliance with

the inventory

Remarks: None.

Canada DSL Inventory

List:

Not in compliance with

the inventory.

Remarks: None.

Canada NDSL Inventory: Not in compliance with

the inventory.

Remarks: None.

China Inv. Existing

Chemical Substances:

On or in compliance with

the inventory

Remarks: None.

Japan (ENCS) List: On or in compliance with

the inventory

Remarks: None.

Korea Existing

Chemicals Inv. (KECI):

On or in compliance with

the inventory

Remarks: None.

New Zealand Inventory

of Chemicals:

On or in compliance with

the inventory

Remarks: None.

Philippines PICCS: On or in compliance with

the inventory

Remarks: None.

Taiwan Chemical

Substance Inventory:

On or in compliance with

the inventory

Remarks: None.

US TSCA Inventory:

q (quantity restricted)

Remarks: Low Volume

Exemption

16.Other Information

Issue Date: 2024/06/24

Revision Date: No data available. No data available.

Version #: 2.1

Further Information: "Wear eye, hand and respiratory protection when in handling."

References: No data available.

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Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.

Further Information

"Wear eye, hand and respiratory protection when in handling." 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 warrantyor 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.

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