

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: PENSIL300 02-WHITE

Recommended use of the chemical and restrictions on use

Recommended use: For industrial use only.

Recommended restrictions: Not known.

Supplier's details

Manufacturer/Importer/Distributor 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: White

Form: solid

Physical state: solid

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

Not classified

GHS label elements

Hazard symbol(s): No symbol

Signal Word: Not available.

Hazard Statement(s): Not applicable

Precautionary statement(s): Not applicable

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

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Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: No data available.

Special protective equipment for fire-fighters: No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep container closed. Avoid contact with skin and eyes. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Product releases methanol during application and curing. Keep out of reach of children.

For non-emergency personnel: No data available.

For emergency responders: No data available.

Environmental Precautions: No data available.

Methods and material for containment and cleaning up: 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 for safe handling: Methanol is formed during processing. Wear appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities: Store in a cool and well-ventilated place. Keep away from moisture. Keep away from food, drink and animal feeding stuffs. Use original container or packaging of similar material of construction

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
CALCIUM CARBONATE	PC-TWA	4 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (03 2008)
	PC-TWA	8 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (03 2008)
Silane, dichlorodimethyl-, reaction products with silica	PC-TWA	8 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (08 2019)
TITANIUM DIOXIDE	PC-TWA	8 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (03 2008)
Aluminum oxide	PC-TWA	4 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (03 2008)

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calcium oxide	PC-TWA	2 mg/m3	China. OELs (Occupational Exposure Limits for Hazardous Agents in the Workplace) (GBZ 2.1), as amended (03 2008)
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Biological Limit Values

None of the components have assigned exposure limits.

Appropriate Engineering Controls:

Eye wash facilities and emergency shower must be available when handling this product. Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

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 gloves are recommended.

Other: Wear suitable protective clothing and eye/face protection.

Respiratory Protection: No data available.

Hygiene measures: Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

9. Physical and chemical properties

Appearance

Physical state: solid

Form: solid

Color: White

Odor: No data available.

Odor threshold: No data available.

pH: No data available.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: Not applicable

Flash Point: 93.3 °C (ASTM D 93)

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.

Vapor density: No data available.

Density: 1.4 g/cm3 (25 °C)

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Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Specific gravity:	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:	Reacts with water liberating small amounts of methanol.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Carbon dioxide Silicon dioxide. Formaldehyde. 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

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.

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Information on toxicological effects

Acute toxicity

Oral

Product: No data available.

Specified substance(s):

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

Dermal

Product: No data available.

Specified substance(s):

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

Inhalation

Product: No data available.

Specified substance(s):

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

Repeated dose toxicity

Product: No data available.

Skin irritation and corrosion

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.

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

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Product: No data available.

Aspiration Hazard Product: No data available.

Other effects: No data available.

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

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.

Specified substance(s):

TITANIUM DIOXIDE 0 %

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.

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Mobility

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

CALCIUM CARBONATE No data available.

Silane, dichlorodimethyl-,
reaction products with silica No data available.

TITANIUM DIOXIDE No data available.

Aluminum oxide No data available.

calcium oxide No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal methods

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated Packaging: Dispose of as unused product.

14. Transport information

National Regulations

China RTDG

Not regulated.

IATA

Not regulated.

IMDG

Not regulated.

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

Not applicable

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. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

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

Stockholm convention

Not applicable

Rotterdam Convention

Not applicable

Kyoto Protocol

Not applicable

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Inventory Status:

Australia Industrial Chem. Act (AIC):	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or 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:	Not 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:	Not 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:	On or in compliance with the inventory	Remarks: None.
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

16. Other Information

Issue Date:	2022/11/08
Revision Date:	No data available.No data available.
Version #:	2.3

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Further Information: No data available.

References: No data available.

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

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.

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